

authors and requiring confirmation (see italicised names in Collin, 1904) are enclosed in square brackets. Although most of Walker's species are capable of being correctly assigned to Kieffer's genera, as species they are insufficiently defined and thus unrecognisable by students; they are therefore neglected here.

By keeping in close touch with each other we have been able to duplicate the records of very many of the most interesting occurrences; in fact, the wealth of records is a welcome feature. Except where a name is added all records are our own; outside the Northumberland and Durham area the first-named author is almost entirely responsible for the records from Lancashire and Cheshire (see Bagnall, 1917-1), and the few from Cumberland and Westmoreland, and from Redcar and Leeds, whilst the second-named author is similarly responsible for the Cleveland area, Yorkshire. We also add Mr. Burkill's Yorkshire records (Burkill, 1916, 1917).

An asterisk in the main list denotes species not shown in the lists of Collin, 1904, and Swanton, 1912.

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### I. CLASSIFIED LIST OF BRITISH *CECIDOMYIDAE* WITH NORTH OF ENGLAND RECORDS.

Subfamily *CECIDOMYINAE*.

Group *LASIOPTERARIAE*.

*Clinorrhyncha* H. Loew, 1850, p. 21.

- \*1. *C. chrysanthemi* H. Loew, 1850, p. 39; Kieffer, 1913-2, p. 19.

Affecting achenes of *Matricaria inodora* and *Anthemis Cotula*. See Houard, 5722 and 5665.

Records from all counties excepting Westmoreland.

- \*2. **C. millefolii** Wachtl, 1884, p. 161; Kieffer, 1913-2, p. 20.

Affecting achenes of *Achillea Millefolium* and more rarely *A. Ptarmica*. See Houard, 5672 and 5701.

More sparing than *C. chrysanthemi*; records from all counties excepting Lancashire and Westmoreland.

- \*3. **C. leucanthemi** Kieffer (*chrysanthemi* Schiner non H. Loew), 1889-1, p. 285; Kieffer, 1913-2, p. 20.

Affecting achenes of *Chrysanthemum Leucanthemum*. Houard, 5726.

NORTHUMBERLAND, Whitfield. DURHAM, Birtley district. Fatfield. Also from Scotland.

**Trotteria** (for *Choristoneura* (praeocc.) Rübs.) Kieffer, 1901-1, p. 561.

- \*4. **T. galii** Rübsaamen, 1912-1, p. 376; Kieffer, 1913-2, p. 22.

Gall on *Galium verum*, = Cecidomyid sp., Houard, 5290.

LANCASHIRE, several, in a field near Ainsdale. NORTHUMBERLAND, Bamburgh and Warkworth, not rare. DURHAM, Blackhall Rocks, three examples only. Also from Scotland.

- \*5. **T. sarothamni** Kieffer, 1890-1, p. 136 (Lasioptera); Kieffer, 1913-2, p. 22.

Galling seed-pods of broom. Houard, 3411.

NORTHUMBERLAND, near Ovingham; and DURHAM, Gibside; rare, lane between Rowley and Lanchester; Birtley.

- \*5A. **T. umbelliferarum** Kieffer, 1913-1, p. 47; 1913-2, p. 22.

On *Anthriscus*.

DURHAM, Gunnergate.

**Lasioptera** Meigen, 1818, p. 88.

6. **L. albipennis** Meigen, 1804, p. 40 (*Cecidomyia*); Kieffer, 1913-2, p. 31.

7. **L. arundinis** Schiner, 1854, p. 175; Kieffer, 1913-2, p. 31.

Galling *Phragmites communis*. Swanton, 49; Houard, 241.

NORTHUMBERLAND, Warkworth. DURHAM, Billingham. TRANS. ENT. SOC. LOND. 1917.—PARTS II, III, IV. (MAY '18) AA

- \*8. *L. calamagrostidis* Rübsaamen, 1893, p. 164; Kieffer, 1913-2, p. 31.

On *Phalaris arundinacea*.

NORTHUMBERLAND, Warkworth. DURHAM, Birtley and Gibside.

- \*9. *L. carophila* F. Loew, 1874, p. 149; Kieffer, 1913-2, p. 31.

Abroad this midge galls many species of Umbelliferae.

DURHAM, Wolviston on *Anthriscus*, and Penshaw Hill on *Pimpinella Saxifraga*. Not recorded from the *Anthriscus* in Houard.

10. *L. rubi* Heeger, 1851, p. 203; Kieffer, 1913-2, p. 32.

Galling stems of *Rubus*. Swanton, 478, 483 and 489; Houard, 2961, 2976 and 3024.

NORTHUMBERLAND, Warkworth, not uncommon. DURHAM, on bramble, Ryhope; Tinkler Fell; Birtley. YORKSHIRE, Nunthorpe.

- \*11. *Lasioptera* sp. Rübsaamen; Schlechtendal.

*Molinia caerulea*, stem. Houard, 251.

DURHAM, near Lanchester.

*Baldratia* Kieffer, 1897-3, p. 6; 1913-2, p. 24.

- \*12. *B. salicorniae* Kieffer, 1897-3, p. 7; 1913-2, p. 26.

On *Salicornia radicans*. See Houard, 2240.

DURHAM, Greatham.

*Stefaniella* Kieffer, 1898-2, p. 55; 1913-2, p. 28.

- \*13. *S. brevipalpis* Kieffer, 1898-2, p. 53; 1913-2, p. 29.

On *Atriplex (Obione) portulacoides*. Houard, 2224.

DURHAM, Greatham.

#### Group OLIGOTROPHARIAE.

[*Neocerata* Coquillett, 1900, p. 47.†

- \*13A. [*N. rhodophaga* Coquillett, 1900, p. 47; Kieffer, 1913-2, p. 41.

† Felt sinks this as a synonym of *Dasyneura* (= *Perrisia*).

NORTHUMBERLAND, examples taken in the buds of cultivated roses at Ninebanks are possibly referable to this species.

**Rhopalomyia** Rübsaamen, 1892, p. 370.

14. **R. millefolii** (*achilleae* Inhb. 1860) H. Loew, 1850, p. 37 (*Cecidomyia*); Kieffer, 1913-2, p. 44.

Galls on *Achillea Millefolium* and more rarely on *A. Ptarmica*. Swanton, 815, 816, 817, 818 and 823, 824; Houard, 5673, 5680, 5685, 5691.

NORTHUMBERLAND and DURHAM, sparingly but widely distributed. LANCASHIRE, once only, near Ainsdale.

15. **R. tanaceticola** Karsch, 1879, p. 27 (*Oligotrophus*); Kieffer, 1913-2, p. 44.

Somewhat similar galls on *Tanacetum vulgare*. Swanton, 830, 831, 832; Houard, 5750, 5752, 5754.

NORTHUMBERLAND, near Chathill; Warkworth. DURHAM, several records for the Wear and Team valleys.

**Misopatha** Kieffer, 1913-1, p. 48.

- \*16. **M. florum** Kieffer, 1890-2, p. 37 (*Cecidomyia*); Kieffer, 1913-2, p. 45.

On *Artemisia vulgaris*. Houard, 5817.

DURHAM, between Lambton and Cox Green; Greatham and Port Clarence.

17. **M. foliorum** H. Loew, 1850, p. 36 (*Cecidomyia*); Kieffer, 1913-2, p. 45.

On *Artemisia vulgaris* and *Abrotanum*. Collin (1904, p. 94) places *abrotani* of Trail (1886, p. 250) as a synonym of this species. Swanton, 834; Houard, 5824.

NORTHUMBERLAND, Budle Bay. DURHAM, Billingham; Birtley.

18. **M. ptarmicae** Vallot (*florica* Winn), 1849, p. 98 (*Cecidomyia*); Kieffer, 1913-2, p. 46.

On *Achillea Millefolium* and *A. Ptarmica*. Swanton, 813, 814 and 822; Houard, 5676, 5681 and 5706.

Sparingly, all counties excepting Cheshire.



- \*19. *M. syngenesiae* H. Loew, 1850, p. 39 (*Cecidomyia*);  
Kieffer, 1913-2, p. 46.

On *Anthemis Cotula* and *Matricaria inodora*. Houard, 5666 and 5723.

Apparently widely distributed; records from all counties.

**Arceuthomyia** Kieffer, 1913-1, p. 49.

- \*20. *A. valerii* Tavares, 1906, p. 299 (*Rhopalomyia*);  
Kieffer, 1913-2, p. 48.

On *Juniperus communis*. Houard (supplement), 6277 (see H. 135).

LANCASHIRE and WESTMORELAND, Hampsfell and Meat-hop Fell near Grange-over-Sands. The species was originally described from the Mediterranean on *Juniperus oxycedrus*, but in 1912 Cotte recorded it from France on the common Juniper.

**Oligotrophus** Latreille, 1805, p. 288.†

21. *O. juniperinus* Linné, 1758, p. 588; Kieffer, 1913-2, p. 49.

On *Juniperus communis*. Swanton, 11; Houard, 129.

DURHAM, near Chester-le-Street. LANCASHIRE and WESTMORELAND, Grange-over-Sands district.

- \*22. *O. panteli* Kieffer, 1898, p. 18; Kieffer, 1913-2, p. 49.

On *Juniperus communis*, known throughout Europe. Houard, 126.

LANCASHIRE and WESTMORELAND, Grange-over-Sands district, locally common.

- \*23. **Oligotrophus** sp. Rübsaamen and others.

On *Juniperus communis*. Houard, 125.

LANCASHIRE, Hampsfell near Grange-over-Sands, rare.

- \*24. *O. alopecuri* Rent., 1895, p. 3; Kieffer, 1913-2, p. 50.

In seeds of *Alopecurus pratensis*.

CHESHIRE, Chester. Miss Ormerod, 1885, p. 32. See Supplemental Note, Collin, 1904, p. 97. NORTHUMBERLAND and DURHAM, locally common.

† *O. juniperinus*, *O. panteli* and another Juniper species truly belong to this genus as now limited, but all other species are placed here temporarily pending further research.

25. *O. bursarius* Bremi, 1847, p. 52 (*Cecidomyia*); Kieffer, 1913-2, p. 50.

Galling leaves of *Glechoma hederacea*. Swanton, 706; Houard, 4809.

Records from all counties.

- \*26. *O. fagineus* Kieffer, 1909, p. 7 (gall); 1913-2, p. 50.

Leaves of *Fagus*, parenchymatous gall, = Cecidomyid. Houard, 1156.

NORTHUMBERLAND, rare, Warkworth. DURHAM, Lambton; Gibside. YORKSHIRE, Leeds.

- \*27. *Oligotrophus* sp. Rübssaamen, Trotter.

A very distinctive gall on beech leaves, previously only known from Russia and Asia Minor. Houard, 1157.

NORTHUMBERLAND, Ninebanks (Rev. J. E. Hull).

- \*28. *O. hartigi* Liebel, 1892, p. 283 (*Hormomyia*); Kieffer, 1913-2, p. 50.

Leaves of *Tilia*, parenchymatous gall; local.

NORTHUMBERLAND, Warkworth and Ovingham, sparingly. DURHAM, Gibside, local; Castle Eden Dene. CUMBERLAND, near Alston. LANCASHIRE, Grange-over-Sands. YORKSHIRE, Leeds.

- \*28A. *O. loewianus* Kieffer, 1909, p. 4; 1913-2, p. 50.

On *Carex arenarius*.

NORTHUMBERLAND, Warkworth.

- \*29. *O. reaumurianus* F. Loew, † 1878, p. 387 (*Hormomyia*); Kieffer, 1913-2, p. 50.

An interesting gall on leaves of *Tilia* spp.

YORKSHIRE, Gunnergate, on one tree only. Also recorded by Mr. Burkill from W. Gloucestershire.

- \*30. *O. tympanifex* Kieffer, 1909, p. 6 (gall); 1913-2, p. 50.

In leaves of *Corylus*, parenchymatous gall, = Cecidomyid, Houard, 1061.

Local, though apparently widely distributed; records from all counties.

† Referable to the genus *Didyomyia* Rübssaamen, characterised by Kieffer as insufficiently described.

- \*31. *O. ulmi* Kieffer, 1909, p. 31 (gall and larva); 1913-2, p. 50.

In leaves of *Ulmus campestris* and *U. montana*, parenchymatous gall, = Cecidomyid, Houard, 2016 and 2064.

Also widely distributed; records from all counties excepting Westmoreland. Very plentiful in 1917.

**Phyetidobia** Kieffer, 1912-1, p. 220.

32. *P. solmsi* Kieffer, 1906, p. 179 (*Oligotrophus*); 1913-2, p. 51.

Galls on leaves of *Viburnum Lantana*. Swanton, 774; Houard, 5349.

**Mikomyia** Kieffer, 1912-2, p. 2.

- \*33. *M. coryli* Kieffer, 1901-2, p. 22 (*Oligotrophus*); 1913-2, p. 52.

On leaves of *Corylus*. Houard, 1060.

Rare; records from all counties excepting Westmoreland.

**Semudobia** Kieffer, 1913-1, p. 55.

- \*34. *S. betulae* Winnertz, 1853, p. 234 (*Cecidomyia*); Kieffer, 1913-2, p. 52.

Galling fruit of *Betula*. Houard, 1067. Note: Swanton suggests that the species recorded by Binnie and Connold (= Cecidomyid, Houard, 1068) may be this species. The following records excepting one are of Houard, 1067.

NORTHUMBERLAND, Crag Lough (H. 1068). DURHAM, several records. LANCASHIRE, Freshfield. CHESHIRE, Bidston. YORKSHIRE, Eston.

**Iteomyia** Kieffer, 1913-1, p. 55.

35. *I. capreae* Winnertz, 1853, p. 291 (*Cecidomyia*); Kieffer, 1913-2, p. 55.

Leaves of *Salix Caprea* and others.

Not uncommon; records from all counties.

- \*36. *I. major* Kieffer, 1898-2, p. 22 (*Olig. capreae*, var. *major*); 1913-2, p. 55.

Rarer than *capreae*; our records are from *Salix aurita* only.

DURHAM, Waldrige, Hart and Easington; rare.  
LANCASHIRE, Ainsdale. YORKSHIRE, Redcar; Leeds district.

*Janetiella* Kieffer, 1898-2, p. 23.

37. *J. lemeei* Kieffer, 1904, p. 71 (*Oligotrophus*); 1913-2,  
p. 59.

Gall on midrib and nerves of *Ulmus montana*. Swanton,  
300; Houard, 2061. A very local species.

NORTHUMBERLAND, Stocksfield and Ovingham (H. S.  
Wallace); Warkworth. DURHAM, Winlaton Mill; dene  
near Fencehouses; Urpeth. LANCASHIRE, Grange-over-  
Sands. YORKSHIRE, Bardsey, near Leeds.

Specimens were taken at Warkworth on *U. campestris*  
and *U. suberosa* also.

\*38. *J. thymi* Kieffer, 1888, p. 100 (*Cecidomyia*); 1913-2,  
p. 59.

On *Thymus*. Houard, 4912 and 4917.

Records from all counties excepting Cheshire and York-  
shire.

\*39. *J. thymicola* Kieffer, 1888, p. 102 (*Cecidomyia*);  
1913-2, p. 59.

Also on *Thymus*, gall like preceding, but pilose. Houard,  
4921.

NORTHUMBERLAND, Seahouses, Warkworth, Crag Lough.  
DURHAM, near Sunderland, rare. LANCASHIRE and WEST-  
MORELAND, Grange-over-Sands district. Also from Scot-  
land.

\*40. *J. tuberculi* Rübсаamen, 1889, p. 61.†

Galling stem of broom (*Sarothamnus*). Houard, 3424.

NORTHUMBERLAND and DURHAM, Derwent banks be-  
tween Espersields and Edmundbyers; and DURHAM, in  
a lane between Newbiggin and Rowley, not common.

\*41. *Janetiella* sp. Bagnall and Harrison, 1917-2, p. 207.

On *Thymus*.

DURHAM, Stanhope and Penshaw Hill.

† We have not yet traced this in Kieffer, 1913-2, unless it is  
the *Perrisia tuberculi* Rübс.

**Zygobia** Kieffer, 1913-1, p. 55.

42. *Z. carpini* F. Loew, 1874, pp. 157 and 322 (*Cecidomyia*); Kieffer, 1913-2, p. 60.

Galling leaf of *Carpinus*. Swanton, 211; Houard, 1045.

**Craneiobia** Kieffer, 1913-1, p. 55.

43. *C. corni* Giraud, 1863, p. 1301 (*Cecidomyia*); Kieffer, 1913-2, p. 60.

Gall on *Cornus sanguinea*. Swanton, 672; Houard, 4513.

**Phegobia** Kieffer, 1913-2, p. 61.

- \*44. *P. tornatella* Bremi, 1847, p. 13 (*Cecidomyia*); Kieffer, 1913-2, p. 61.

A glabrous gall (like that of the common *Hartigiola annulipes*) on the upper surface of leaf of *Fagus*, = Houard, 1154.

NORTHUMBERLAND and DURHAM, several records. CUMBERLAND, Alston.

**Mayetiola** Kieffer, 1896-1, p. 89.

- \*45. *M. avenae* Marchal, 1895, p. 272 (*Cecidomyia*); Kieffer, 1913-2, p. 62.

Gall, stem of *Avena fatua*. See Houard, 223 (*Avena sativa*).

YORKSHIRE, Nunthorpe.

- \*46. *M. dactylidis* Kieffer, 1896-2, p. 217; 1913-2, p. 62.

Gall, stem of *Dactylis glomerata*. Houard, 258.

DURHAM, banks of the Wear near Penshaw.

47. *M. destructor* Say, 1817, p. 45 (*Cecidomyia*); Kieffer, 1913-2, p. 62.

On *Hordeum vulgare*. Houard, 346.

DURHAM, Penshaw.

48. *M. holei* Kieffer, 1896-2, p. 333; 1913-2, p. 62.

On *Holcus lanatus*, stem. Swanton, 46; Houard, 215.

NORTHUMBERLAND, Seahouses, once only; Warkworth. DURHAM, Birtley, Gibside, Edmondsley. LANCASHIRE, Lathom.

- \*49. *M. joannisi* Kieffer, 1896-2, p. 116; 1913-2, p. 62.

Gall, stem of *Poa nemoralis*. Houard, 263.

NORTHUMBERLAND, Warkworth. DURHAM, between Wolviston and Billingham. LANCASHIRE, Grange-over-Sands.

- \*50. *M. ventricola* Rübсаamen, 1899, p. 566 (*Oligotrophus*); Kieffer, 1913-2, p. 62.

On *Molinia caerulea*. Houard, 249.

NORTHUMBERLAND, between Whitfield and Langley. LANCASHIRE (Grimshaw). YORKSHIRE, on all the Cleveland moors.

- \*51. *M. hordei* Kieffer, 1909, p. 9 (gall) †; Kieffer, 1913-2, p. 62.

On *Hordeum vulgare*, = Cecidomyid. Houard, 347.

DURHAM, between Vigo and Birtley.

- \*52. *Mayetiola* sp. Bagnall and Harrison, 1917-3, p. 228.

On *Bromus erectus*.

DURHAM, Gibside.

*Chortomyia* Kieffer, 1913-2, p. 63.

53. *C. hellwigi* Rübсаamen, 1912, p. 217 (*Poomyia*); Kieffer, 1913-2, p. 63.

On stems, *Brachypodium sylvaticum*, = Cecidomyid, Swanton, 62, and Houard, 297.

NORTHUMBERLAND, Warkworth, local. DURHAM, Penshaw, Ryhope, Easington, and Horden, locally common. LANCASHIRE, Grange-over-Sands, probably not rare. YORKSHIRE, Leeds district.

- \*54. *C. molinae* Rübсаamen, 1895, p. 180 (*Oligotrophus*); Kieffer, 1913-2, p. 63.

On *Molinia caerulea*. Houard, 250.

DURHAM, Birtley Fell. CHESHIRE, Bidston Hill.

55. *C. poae* Bosc., 1817, p. 133 (*Cecidomyia*); Kieffer, 1913-2, p. 63.

On *Poa nemoralis*. Swanton, 56; Houard, 264.

† The generic position of this species is not yet certain.

NORTHUMBERLAND, Warkworth. DURHAM, Penshaw, Birtley, Gibside. CUMBERLAND, Alston. LANCASHIRE, Grange-over-Sands.

\*56. *C. radificica* Rübsaamen, 1895, p. 179 (*Oligotrophus*); Kieffer, 1913-2, p. 63.

On *Poa nemoralis*. Houard, 265.

NORTHUMBERLAND, Ovingham and Langley Woods (H. S. Wallace). DURHAM, Ryhope (H. S. Wallace); Penshaw and Blackhall Rocks. CUMBERLAND, Nenthead (H. S. Wallace).

*Cystiphora* Kieffer, 1892, p. 212.

\*57. *C. hieracii* F. Loew, 1874, p. 145 (*Cecidomyia*); Kieffer, 1913-2, p. 64.

On *Hieracium* sp., apparently very rare.

DURHAM, Hylton. LANCASHIRE, Ainsdale, and WEST-MORELAND, Ravenstonedale.

\*58. *C. taraxaci* Kieffer, 1888, p. 98; 1913-2, p. 64.

On *Taraxacum officinale*, very local and rare. Houard, 6090.

NORTHUMBERLAND, coast near Bamburgh; Warkworth. DURHAM, Blackhall Rocks; Penshaw, once only. CUMBERLAND, Alston. LANCASHIRE, Grange-over-Sands, once only.

\*59. *C. leontodontis* Kieffer, 1909, p. 14 (gall); 1913-2, p. 64.

On *Leontodon hispidum*. Houard, 6053.

NORTHUMBERLAND, Warkworth. DURHAM, very local, Penshaw and Washington.

\*60. *C. pilosellae* Kieffer, 1892, p. 213; 1913-2, p. 64.

On *Hieracium Pilosella*. Houard, 6207.

Very local; records from all counties excepting Cheshire.

61. *C. sonchi* F. Loew, 1875, p. 18 (*Cecidomyia*); Kieffer, 1913-2, p. 64.

On *Sonchus arvensis*. Swanton, 880; Houard, 6100.

NORTHUMBERLAND, abundant in N.E. Northumberland; Ovingham. LANCASHIRE, Ainsdale, one plant only. Also STIRLINGSHIRE, very common.

\*62. *Cystiphora* sp. Bagnall and Harrison, 1916 (iv), p. 218.

On *Hypochoeris radicata*. Apparently a new species.

NORTHUMBERLAND, Warkworth. DURHAM, Penshaw and Edmondsley. CUMBERLAND, Alston.

**Maerolabis** Kieffer, 1892, p. 214.

63. *M. corrugans* F. Loew, 1877, p. 11 (*Cecidomyia*);  
Kieffer, 1913-2, p. 66.

(a) On *Heracleum Sphondylium*. Swanton, 667; Houard, 4512.

In all counties; common.

(\*b) On *H. Sphondylium*, var. *angustifolium*.

LANCASHIRE and WESTMORELAND, Grange-over-Sands district.

(\*c) On *Lamium album*. Houard, 4840.

NORTHUMBERLAND, Warkworth and Ovingham. LANCA-  
SHIRE, Lathom. DURHAM, Biddick; Lambton Park and  
Blaydon.

(\*d) On *Stachys sylvatica*.

DURHAM, Penshaw.

This species is recorded by Houard from six different Umbels and from three species of *Lamium*. Swanton (870) (ref. Connold) records it also from *Hieracium boreale*, but this is almost certain to be *M. hieracii*.

\*64. *M. hieracii* Kieffer, 1888, p. 112.†

Recorded by Houard from *Hieracium boreale*, *H. umbellatum* and other species of *Hieracium*. Apparently the species (see above) recorded from *H. boreale* as *M. corrugans* by Connold (Swanton, 870).

DURHAM, Hylton. LANCASHIRE, on *Hieracium* sp., Birkdale.

\*65. *M. hippocrepidis* Kieffer, 1898-2, p. 59; 1913-2, p. 66.

On *Hippocrepis comosa*. Houard, 3683.

WESTMORELAND, Meathop Fell, near Grange-over-Sands in October, gall only, too late for larvae.

† We have as yet been unable to trace this in Kieffer, 1913-2.



- \*66. *M. marteli* Kieffer, 1892 (-1), p. 215; 1913-2, p. 66.

On *Hypericum hirsutum*.

DURHAM, Middleton-one-Row.

67. *M. pilosellae* Binnie, 1877, p. 179 (*Cecidomyia*);  
Kieffer, 1913-2, p. 66.

On *Hieracium Pilosella*. Swanton, 863; Houard, 6199.

Records from all counties excepting Cheshire; local.

- \*68. *M. stellariae* Liebel, 1889, p. 282 (*Cecidomyia*);  
Kieffer, 1913-2, p. 66.

On *Stellaria graminca*. Recorded by Houard from  
*Stellaria media*.

DURHAM, Birtley.

*Arnoldia* Kieffer, 1895, p. 7.

- \*69. *A. quercicola* Kieffer, 1909, p. 21 (gall and larva);  
1913-2, p. 67.

On *Quercus*. Houard, 1211.

NORTHUMBERLAND, near Whitfield. DURHAM, near Fat-  
field.

70. *A. quercus* Binnie, 1877, p. 179 (*Cecidomyia*); Kieffer,  
1913-2, p. 67.

On *Quercus*.

- \*71. *Arnoldia* sp. Kieffer: Lemée.

On *Quercus*. Houard, 1212.

DURHAM, West Cornforth.

*Geocrypta* Kieffer, 1913-2, p. 68.

- \*72. *G. braueri* Handlirsch, 1884, p. 135 (*Cecidomyia*).

A root-gall on *Hypericum pulchrum*; recorded by  
Houard (1213) from *H. perforatum* only. Apparently  
very local.

NORTHUMBERLAND, near Staward. DURHAM, near Lan-  
chester.

*Rhabdophaga* Westwood, 1847, p. 588.

- \*73. *R. albigennis* H. Loew, 1850, p. 35 (*Cecidomyia*);  
Kieffer, 1913-2, p. 70.

On *Salix* spp. Houard, S. 32.

Apparently not uncommon; records from all counties excepting Westmoreland. Also recorded by Mr. Burkill from Derbyshire, and from Scotland.

\*74. **R. clavifex** Kieffer, 1892-2, p. 441 (*Cecidomyia*); 1913-2, p. 70.

On *Salix* spp. Houard, S. 14.  
LANCASHIRE, Ainsdale, rare.

\*75. **R. dubiosa** Kieffer n. nov. for *Cecidomyia dubia* Kieffer, 1892-2, p. 255; 1913-2, p. 70 (= *Cecidomyia griseicollis* Zett. non Meigen).

On *Salix* spp. Houard, S. 41.  
NORTHUMBERLAND, Ninebanks, Warkworth. DURHAM, Waldridge. LANCASHIRE, near Ainsdale.

\*76. **R. giraudiana** Kieffer (*saliciperda* Giraud non Dufour), 1898-1, p. 159; 1913-2, p. 70.

On *Populus alba*; also known from *P. tremula* abroad. Houard, 475.

LANCASHIRE, Ainsdale and Freshfield, only two examples.

77. **R. heterobia** H. Loew (*saligna* Hardy), 1850, p. 28 (*Cecidomyia*); Kieffer, 1913-2, p. 70.

On *Salix* spp. Houard, S. 10; Swanton, 88, 89 and 154.  
NORTHUMBERLAND, Warkworth, on *S. alba*. DURHAM, Birtley, on *S. repens*, also affecting the male catkins; Waldridge, Swalwell; Tinkler Fell, on *S. Caprea*. LANCASHIRE, Birkdale and Ainsdale.

\*78. **R. iteobia** Kieffer, 1890-3, p. 201 (*Cecidomyia*); 1913-2, p. 70.

On *Salix cinerea*. Houard, S. 11. *Perrisia iteobia*.  
NORTHUMBERLAND, Ninebanks. DURHAM, near Blanchland. LANCASHIRE, Ainsdale. Also from Scotland.

\*79. **R. karschi** Kieffer, 1892-2, p. 251 (*Cecidomyia*); 1913-2, p. 70.

On *Salix* spp. Houard, S. 34.  
NORTHUMBERLAND, Ninebanks, on *S. cinerea*, and Warkworth, on *S. cinerea* and *alba* var. DURHAM, Birtley,

on *S. repens*, rare. LANCASHIRE, Freshfield, on *S. cinerea*, rare. Also recorded by Mr. Burkill (on *S. alba*) from Derbyshire.

\*80. **R. marginemtorquens** Winnertz, 1853, p. 223 (*Cecidomyia*); Kieffer, 1913-2, p. 70.

On *Salix* spp. Houard, S. 51, *Perrisia marginemtorquens*. Generally distributed; records from all counties excepting Westmoreland and Cheshire.

\*81. **R. nervorum** Kieffer (*noduli* Rübs.), 1895-2 (*Dichelomyia*); 1913-2, p. 71.

On *Salix* spp. Houard, S. 49.

DURHAM, River Wear near Cox Green, on *S. alba*, Gibside on *S. aurita*, and Ryhope on *S. fragilis*, rare. LANCASHIRE, Ainsdale and Freshfield, local, on young *S. alba*. NORTHUMBERLAND, Ovingham and Warkworth, on *S. cinerea*, *S. alba* and the var. *vitellina*. YORKSHIRE, Nunthorpe on *S. vitellina*, also see Burkill, 1916, "Entomologist," p. 7, on *S. Caprea*. Also recorded by Mr. Burkill from Derbyshire on *S. alba* and *S. cinerea*, and from Surrey on *S. Caprea*.

\*82. **R. pierreii** Kieffer, 1896-2, p. 218 (*Bertieria*); 1913-2, p. 71.

On *Salix repens* and *S. cinerea*, rare. Houard, S. 37.

NORTHUMBERLAND, near Warkworth. DURHAM, Birtley, rare.

\*82A. **R. pseudococcus**. Rübssaamen 1890-2, p. 307 (*Cecidomyia*); Kieffer 1913-2, p. 71.

Flat, broad larva under a scale-like covering on underside of leaves of *Salix Caprea*, gregarious.

DURHAM. Plentiful on isolated trees in Ryhope Dene and Hesleden Dene.

\*82B. **R. pulvini** Kieffer (*salicina* Giraud, non Schrank; *klugi*? H. Loew non Meigen) 1891, p. 244 (*Cecidomyia*); 1913-2, p. 71.

On *Salix aurita* and *S. vitellina*. Houard, S. 19.

NORTHUMBERLAND, Ovingham.

83. *R. rosaria* † H. Loew (*salicina* Auct., *cinerearum* Hardy), 1850, p. 35; Kieffer, 1913-2, p. 71.  
On *Salix* spp. Houard, S. 8.  
Generally distributed; records from all counties.
- \*84. *R. rosariella* Kieffer, 1901-1, p. 491 (gall); 1913-2, p. 71.  
On *Salix* spp. Houard, S. 9.  
DURHAM, Waldrige, on *S. aurita* and *cinerea*; Gibside, on *S. repens*. LANCASHIRE, near Ainsdale, and Freshfield, on *S. repens*. Also recorded by Mr. Burkill from Surrey on *S. repens*.
85. *R. saliciperda* Dufour (*terebrans* H. Loew), 1841, p. 262 (*Cecidomyia*); Kieffer, 1913-2, p. 71.  
On *Salix* spp. Houard, S. 36.  
NORTHUMBERLAND, Newham. DURHAM, Billingham and Waldrige. CUMBERLAND, Alston. LANCASHIRE, near Ainsdale. YORKSHIRE, Eston.
86. *R. salicis* Schrank (*degeeri* Bremi, *gallarum salicis* Hardy), 1803, p. 69 (*Tipula*); Kieffer, 1913-2, p. 71.  
On *Salix* spp. Houard, S. 40.  
Records from all counties excepting Westmoreland and Cheshire.
- \*87. *R. superna* Kieffer, 1897, p. 24.  
On *Salix*. Recorded by Houard, S. 26, from *S. Caprea*, *aurita* and *cinerea*; we have not succeeded in tracing the species in Kieffer, 1913-2.  
DURHAM, on a hybrid *S. cinerea* × *viminalis*; Billingham. The larva is distinctive.
88. *R. terminalis* H. Loew, 1850, p. 35 (*Cecidomyia*); Kieffer, 1913-2, p. 72.  
On *Salix* spp. Houard, S. 14, *Perrisia terminalis*.  
Common; records from all counties.
- [89. *R. viminalis*, Westwood, 1847, p. 588; Kieffer, 1913-2, p. 72.

† The *Dasynoura salicina* of Swanton's Catalogue must be regarded as a synonym, the gall being but the incipient stage of the "Rose-gall."

*Perrisia* Rondani, 1846, p. 371.

- \*90. *P. abietiperda* Henschel, 1880, p. 371 (*Cecidomyia*);  
Kieffer, 1913-2, p. 73.

Gall on *Picea excelsa*. Houard, 100.

NORTHUMBERLAND, near Hexham. DURHAM, Gibside  
and Eastgate. LANCASHIRE, Grange-over-Sands, rare.  
YORKSHIRE, Nunthorpe.

- \*91. *P. acerocrispanis* Kieffer, 1888-2, p. 266 (*Cecidomyia*);  
1913-2, p. 73.

On sycamore. Houard, 3984.

DURHAM, dene near Fencehouses.

- \*92. *P. acerocrispanis* var. *rubella* Kieffer, 1896-2, p. 37.

On *Acer campestre*. Houard, 4025.

Recorded by Mr. Burkill from Monmouthshire.

93. *P. acrophila* Winnertz, 1853, p. 233 (*Cecidomyia*);  
Kieffer, 1913-2, p. 73.

On *Fraginus*. Swanton, 681; Houard, 4613.

Local; records from all counties excepting Lancashire  
and Cheshire.

94. *P. affinis* Kieffer, 1886, p. 330 (*Cecidomyia*); 1913-2,  
p. 73.

On *Viola* spp. Swanton, 632, 634, 635 and 637; Houard,  
4281, 4283, 4284 and 4290.

Local; records from all counties excepting Cheshire.

- \*95. *P. alni* F. Loew, 1877, p. 2 (*Cecidomyia*); Kieffer,  
1913-2, p. 73.

On *Alnus*. Houard, 1127; known throughout Europe.

NORTHUMBERLAND, Ninebanks, once only.

96. *P. alpina* F. Loew, 1885, p. 110 (*Cecidomyia*); Kieffer,  
1913-2, p. 73.

On *Silene acaulis*. Swanton, 341; Houard, 2274.

97. *P. anglica* Kieffer, 1909, p. 31 (gall and larva);  
1913-2, p. 73.

On *Vaccinium Vitis-idaea*, = *Cecidomyid* sp. Swanton,  
676, and Houard, 4571.

98. **P. aparines** Kieffer, 1889, p. 208 (*Cecidomyia*);  
1913-2, p. 73.

On *Galium Aparine*. Swanton, 763; Houard, 5303.

NORTHUMBERLAND, Wylam, Belford. DURHAM, several  
localities. CHESHIRE, Bidston.

\*99. **P. aucuparia** Kieffer.†

On *Pyrus Aucuparia*. Howard, 2907.

NORTHUMBERLAND, Ovingham. DURHAM, Gibside. Also  
from Scotland.

\*100. **P. axillaris** Kieffer, 1896-1, p. 87; 1913-2, p. 74.

On *Trifolium* sp. On *T. medium* Howard, 3593.

LANCASHIRE and WESTMORELAND, once near Grange-  
over-Sands. DURHAM, coast near Horden; Birtley, on  
*T. fragiferum*.

\*101. **P. ballotae** Rübsaamen.

On *Ballota nigra*, flowers remaining closed.

NORTHUMBERLAND, Denton Burn (H. S. Wallace and  
R. S. B.).

\*102. **P. beckiana** Mik, 1885, p. 140 (*Cecidomyia*); Kieffer,  
1913-2, p. 74.

On *Inula squarrosa* (= *I. Conyza*). Howard, 5623.

LANCASHIRE, Grange-over-Sands. J. W. H. H. has ob-  
served similar galls on *Pulicaria dysenterica* at Cowpen  
Bewley in Durham.

103. **P. brassicae** Winnertz, 1853, p. 213 (*Cecidomyia*);  
Kieffer, 1913-2, p. 74.

On *Brassica* spp. Swanton, 415, 420; Houard, 2591  
(*Dasyneura brassicae*).

DURHAM, Hylton, on \**Brassica oleracea* (Howard, 2573).

\*104. **P. brunellae** Kieffer, 1909, p. 3 (gall and larva);  
1913-2, p. 74.

On *Prunella vulgaris*, = Cecidomyid sp. Howard, 4818.

NORTHUMBERLAND, Ovington. YORKSHIRE, Stainton.

† We have been unable to trace this in Kieffer, 1913-2.

- \*105. **P. bryoniae** Bouché, 1847, p. 144 (*Cecidomyia*);  
Kieffer, 1913-2, p. 74.

On *Bryonia dioica*. Houard, 5476.

DURHAM, near Lamesley.

- \*106. **P. campanulae** Rübsaamen.

On *Campanula media* and *C. persicaefolia*.

DURHAM, Birtley. CUMBERLAND, Alston.

107. **P. capitigena** Bremi (*Euphorbiae* partim H. Loew),  
1847, p. 50 (*Cecidomyia*); Kieffer, 1913-2, p. 71.

On *Euphorbia Esula*. Swanton, 597.

108. **P. cardamines** Winnertz, 1853, p. 225 (*Cecidomyia*);  
Kieffer, 1913-2, p. 74.

On *Cardamine* spp. Swanton, 390 and 393; Houard,  
2672 and 2665.

DURHAM, in the Derwent Valley.

109. **P. cerastii** Binnie, 1877, p. 181 (*Cecidomyia*); Kieffer,  
1913-2, p. 75.

On *Cerastium vulgatum*. Swanton, 318; Houard, 2338.

NORTHUMBERLAND, Warkworth, on \**C. semidecandrum*  
and *C. vulgatum*. DURHAM, Ryhope Dene.

- \*110. **P. cirsii** Rübsaamen, 1890, p. 236 (*Cecidomyia*);  
Kieffer, 1913-2, p. 75.

In heads of *Cirsium arvense*. Houard, 5927.

Not uncommon; records from all counties.

- \*111. **Perrisia** sp. Bagnall and Harrison, 1916 (iii), p. 199.

In heads of *Cirsium arvense*, like *P. cirsii*, but larvae  
yellowish to orange instead of red (? form or stage of  
*P. cirsii*).

Not uncommon; records from all counties excepting  
Cheshire.

- \*112. **Perrisia** sp. Bagnall and Harrison, 1916 (iii), p. 199.

Heads of *Cirsium arvense* closed; a few petals to one  
side only breaking out; larva solitary, deep vermilion to  
crimson.

NORTHUMBERLAND, Ninebanks. DURHAM, Penshaw,  
Fatfield, and Gibside.

- \*113. *P. compositarum* Kieffer, 1888-2, p. 310 (*Cecidomyia*);  
1913-2, p. 75.

Heads of *Cirsium lanceolatum*. Houard, 5911.

NORTHUMBERLAND and DURHAM, numerous records.  
LANCASHIRE, Lathom. YORKSHIRE, Marton; Bardsey near  
Leeds.

- \*114. *Perrisia* sp. Bagnall and Harrison, 1916 (iii), p. 199.

Heads of *Cirsium lanceolatum*, heads remaining closed  
or not opening fully; often bent or twisted; florets  
apparently normal; larvae white to yellowish.

Records from NORTHUMBERLAND, DURHAM, CUMBERLAND,  
YORKSHIRE and LANCASHIRE.

- \*115. *P. corylina* Kieffer for *coryli* Rübsaamen, 1912,  
p. 288; Kieffer, 1913-2, p. 75.

In catkins of *Corylus*.

LANCASHIRE, Grange-over-Sands, October. YORKSHIRE,  
Guisbrough, October.

116. *P. crataegi* Winnertz, 1853, p. 228 (*Cecidomyia*);  
Kieffer, 1913-2, p. 75.

On *Crataegus monogyna*. Swanton, 540; Houard, 2942.  
Common everywhere; records from all counties.

- \*117. *P. daphnes* Kieffer, 1901-2, p. 18; 1913-2, p. 75.

On *Daphne Laureola*. Houard, 4312.

YORKSHIRE, Gunnergate.

- \*118. *P. engstfeldi* Rübsaamen, 1889, p. 375 (*Cecidomyia*);  
Kieffer, 1913-2, p. 75.

On *Spiraea Ulmaria* Houard, 2832 and 2837.

Local but widely distributed; records from all counties.  
Also from Scotland.

- \*119. *Perrisia* sp. Bagnall and Harrison, 1916 (iii), p. 200.

On *Spiraea Ulmaria*, on the underside of leaf, like *P.*  
*engstfeldi*, but always adjacent to midrib or nerve, which  
is considerably swollen in such manner as to become a  
shelter to the larva.

Extremely local, but plentiful where it occurs. DURHAM,  
Gibside and near Lamesley; Billingham. CUMBERLAND,  
Alston.



120. *P. epilobii* F. Loew, 1889, p. 201 (*Cecidomyia*);  
Kieffer, 1913-2, p. 76.

On *Epilobium angustifolium*. Swanton, 641, 642;  
Houard, 4345.

NORTHUMBERLAND. Seahouses, Spindlestone, Budle Bay,  
etc. DURHAM, Gibside.

\*121. *P. ericina* F. Loew, 1885-2, p. 76 (*Cecidomyia*);  
Kieffer, 1913-2, p. 76.

On *Erica cinerea*.

DURHAM, Walldridge. YORKSHIRE, Great Ayton Moor.

121A. *P. filicina* Kieffer, 1889, p. 191 (*Cecidomyia*);  
1913-2, p. 76.

On *Pteris aquilina*. Swanton, 3; Houard, 68.

Records from all counties excepting Cumberland.

\*122. *P. floriperda* F. Loew, 1888, p. 231 (*Cecidomyia*);  
Kieffer, 1913-2, p. 76.

On *Silene inflata*. Houard, 2261.

DURHAM, Fatfield and Fencehouses.

\*123. *P. floscolorum* Kieffer, 1890-3, p. 200 (*Cecidomyia*);  
1913-2, p. 76.

Flower of *Trifolium pratense*. Houard, 3579.

DURHAM, Penshaw. LANCASHIRE and WESTMORELAND,  
near Grange-over-Sands.

124. *P. fraxinea* Kieffer, 1907-1, p. 523; 1913-2, p. 76.

On *Fraxinus*, = *Dasyneura fraxinea*. Swanton, 678;  
Houard, 4647.

Apparently widely distributed; records from all counties.

125. *P. fraxini* Kieffer, 1897-2, p. 301; 1913-2, p. 76.

On *Fraxinus*. Swanton, 679, 680; Houard, 4644.

Records from all counties excepting Cheshire.

\*126. *P. fructuum* Rübssaamen, 1895, p. 258 (*Dichelomyia*);  
Kieffer, 1913-2, p. 76.

On *Cerastium vulgatum*. Houard, 2330.

NORTHUMBERLAND, Warkworth, Ovingham. DURHAM,  
Fatfield, Penshaw, Birtley, Greatham. CHESHIRE, Bidston.

YORKSHIRE, Marton, Cleveland district; Leeds district. Also taken (at Warkworth) on *Cerastium semidecandrum*, and in Cleveland on *C. viscosum*.

127. *P. galeobdolonis* Winnertz, 1853, p. 238 (*Cecidomyia*); Kieffer, 1913-2, p. 76.

On *Lamium Galeobdolon*. Swanton, 716; Houard, 4847.

128. *P. galii* H. Loew, 1850, p. 37 (*Cecidomyia*); Kieffer, 1913-2, p. 77.

On *Galium verum*. Swanton, 747, 748; Houard, 5284, 5292.

NORTHUMBERLAND, Seahouses, Bamburgh, Warkworth, Ovingham. DURHAM, Blackhall Rocks; Hylton; Penshaw Hill; near Cornforth. LANCASHIRE, Birkdale, one only.

On *Galium uliginosum*. Houard, 5268.

DURHAM, Waldrige Fell.

\*129. *Perrisia* sp. Schlechtendal, etc.

On *Galium verum*. Houard, 5289.

DURHAM, on one patch of bed-straw near Penshaw.

130. *P. galiicola* F. Loew, 1880, p. 33; Kieffer, 1913-2, p. 77.

On *Galium* spp. Swanton, 753; Houard, 5209, also \*5286 and \*5275.

NORTHUMBERLAND, Bamburgh, Warkworth. DURHAM, coast near Hartlepool, Penshaw Hill and Catcleugh; rock near Sunderland, on *G. verum*. CUMBERLAND, Alston, on *G. verum*.

\*131. *P. genistamtorquens* Kieffer, 1888-2, p. 311 (*Cecidomyia*); 1913-2, p. 77.

On *Genista tinctoria*. Houard, 3371.

DURHAM, Gibside, rare.

132. *P. genisticola* F. Loew, 1877, p. 4 (*Cecidomyia*); Kieffer, 1913-2, p. 77.

On *Genista tinctoria*. Swanton, 518, 549; Houard, 3368, 3369. It also occurs on *G. anglica* (Swanton, 547; Houard, 3349).

NORTHUMBERLAND, Ovingham. DURHAM, Gibside.

\*133. *P. gentianae* Kieffer, 1909, p. 9 (gall); 1913-2, p. 77.

In flowers and seed-cases of *Gentiana campestris* and *G. Amarella*, = Cecidomyid sp. Houard, 4696.

NORTHUMBERLAND, between Alnmouth and Warkworth. DURHAM, Penshaw Hill and Blackhall Rocks. (This species is recorded in Houard (4696) from British Isles only, but in Kieffer (1913-2) it is recorded from Central Europe. Examples from seed-cases cause chloranthia as well as a swelling of the ovary, and are possibly referable to a second species.

\*134. *P. geranii* Kieffer, 1907-2, p. 44; 1913-2, p. 77.

We have not cleared up the question of Cecidomyids affecting *Geraniaceae*. The records here refer to *P. geranii* on *Erodium cicutarium* only (Houard, 3826); but we append also our notes under the names of various species of *Geranium*.

NORTHUMBERLAND, Budle Bay, very common; Warkworth. DURHAM, Cowpen Bewley, one only. LANCASHIRE, Freshfield, two only. YORKSHIRE, Redear.

Other notes :—

(1) *Geranium pratense*.

(a) Yellow larvae *in* seeds (*Dasyneura geranii*).

NORTHUMBERLAND, Budle Bay and Ninebanks. DURHAM, Birtley, Eastgate, Wolsingham and Horden. CUMBERLAND, Alston.

(b) Bright orange-red larvae *in* seeds *with* above.

NORTHUMBERLAND and DURHAM, all above records.

(2) *Geranium sylvaticum*.

(a) Yellow larvae *in* seeds (*Dasyneura geranii*).

(b) Bright orange-red larvae *in* seeds *in* company.

Records from NORTHUMBERLAND and DURHAM.

(3) *Geranium sanguineum*.

Yellow larva *in* seeds.

DURHAM, Horden and Blackhall Rocks. YORKSHIRE, in a moraine garden, Linthorpe.

(4) *Geranium dissectum*.

Yellow larva *in* seeds.

DURHAM, Fatfield.

(5) *Geranium molle*.

Yellow larva *in* seeds.

YORKSHIRE, Redcar.

(6) *Geranium pusillum*.

Yellow larva *in* seeds.

NORTHUMBERLAND, Warkworth.

(7) *Geranium pusillum*.

One or more transparent, lemon-yellow larvae amongst seeds and in the flower.

LANCASHIRE, Freshfield and Ainsdale, common.

(8) *Erodium cicutarium*.

Creamish-yellow larvae amongst seeds and in the flower.

YORKSHIRE, Redcar. NORTHUMBERLAND, Warkworth.

135. *P. glechomae* Kieffer, 1889-2, p. 263 (*Cecidomyia*);  
1913-2, p. 77.

On *Glechoma hederacea*. Swanton, 707, 708; Houard,  
4807, 4808.

\*136.? *P. glyciophylli* Rübsaamen, 1912, p. 286; Kieffer,  
1913-2, p. 77.

On *Astragalus hypoglottis*.

Records from Scotland.

\*137. **P. holosteae** Kieffer, 1909, p. 29 (gall and larva);  
1913-2, p. 77.

On \**Stellaria graminea*.

NORTHUMBERLAND, between Langley Woods and Whitfield.

On *Stellaria Holostea*.

NORTHUMBERLAND, Stocksfield (H. S. Wallace). DURHAM, Gibside, Winlaton Mill.

- \*138. *P. hygrophila* Mik, 1883, p. 209 (*Cecidomyia*);  
Kieffer, 1913-2, p. 77.

On *Galium palustre*. Houard, 5278.

NORTHUMBERLAND, Ninebanks. DURHAM, near Gibside, Low Fell and Waldrige. LANCASHIRE, not uncommon, Freshfield, Ainsdale and Lathom. YORKSHIRE, Nunthorpe; Bardsey near Leeds; also recorded by Mr. Burkill. Mr. Burkill also records this species from Derbyshire, Staffordshire and Surrey.

139. *Perrisia* sp. Trail, 1878.

On *Galium palustre*. Swanton, 758; Houard, 5277.

140. *P. hyperici* Bremi, 1847, p. 53 (*Cecidomyia*); Kieffer, 1913-2, p. 77.

On *Hypericum* spp. Swanton and Houard. Recent records from *H. perforatum*, *H. pulchrum*, *H. humifusum* and \* *H. montanum*.

Records from all counties excepting Cheshire and Yorkshire.

- \*141. *Perrisia* sp. Burkill, 1916.

On *Hypericum elodes*. Terminal leaves thickened at the base, folded over and crinkled, turning brown at the tips. Larvae yellow, several in each gall.

YORKSHIRE, Mr. Burkill's record.

142. *P. ignorata* Wachtl (*medicaginis* Bremi, gall; *onobrychidis* F. Loew non Bremi), 1881, p. 163 (*Cecidomyia*); Kieffer, 1913-2, p. 77.

On *Medicago sativa*. Swanton, 561; Houard, 3515.

143. *P. inebaldiana* Mik (? *clausilia* Bremi), 1886, p. 317 (*Cecidomyia*); Kieffer, 1913-2, p. 77.

On *Salix alba*. Houard, S. 52; Swanton, 98; Houard, 627.

Records from all counties.

144. *P. inclusa* Frauenfeld, 1862, p. 1175 (*Cecidomyia*); Kieffer, 1913-2, p. 78.

On *Phragmites communis*. Swanton, 50; Houard, 245. DURHAM, Billingham.

- \*145. *P. kiefferi* Marchal, 1896, p. 99; Kieffer, 1913-2, p. 78.

On *Hedera Helix*. Houard, 4362.

NORTHUMBERLAND, Warkworth district. LANCASHIRE and WESTMORELAND, Grange-over-Sands district, common. DURHAM, Gibside and Low Fell. YORKSHIRE, Middlesbrough and Guerngate; Leeds. Also from Scotland.

- \*146. *P. kiefferiana* Rübсаamen, 1891, p. 5 (*Cecidomyia*); Kieffer, 1913-2, p. 78.

On *Epilobium angustifolium*. Houard, 4348.

DURHAM, Gibside, rare. YORKSHIRE, see Burkill. Also recorded by Mr. Burkill from Surrey.

- \*147. † *P. lamii* Kieffer.

On *Laminum maculatum*, = *Cecidomyid* sp. Houard, 4836.

DURHAM, Birtley, in a garden.

- \*148. † *P. laricis* F. Loew, 1878, p. 393 (*Cecidomyia*); Kieffer, 1913-2, p. 78.

On *Larix decidua*. Houard, 86.

DURHAM, Lanchester, Winlaton Mill; Gibside. LANCASHIRE, Grange-over-Sands. YORKSHIRE, Eston.

- \*149. *P. lathyri* Kieffer, 1909, p. 13 (gall and larvae); 1913-2, p. 78.

On *Lathyrus pratensis*, = *Perrisia* sp. Houard, 3775.

Records from all counties excepting Cheshire.

- \*150. *P. lathyricola* Rübсаamen, 1890, p. 26 (*Cecidomyia*); Kieffer, 1913-2, p. 78.

On *Lathyrus pratensis*. Houard, 3771.

Records from all counties.

151. *Perrisia* sp. (*lathyricola* Swanton).

On *Lathyrus pratensis*. Swanton, 595; Houard, 3776.

Records from all counties.

† We have been unable to trace this name in Kieffer, 1913-2.

‡ = *Kellneri* Henschel (gall).

- \*152. *Perrisia* sp. Burkill, 1917, p. 83.  
On *Lathyrus pratensis*.  
Recorded by Mr. Burkill from W. Gloucestershire.
- \*153. *P. libera* Kieffer, 1909, p. 21 (gall); 1913-2, p. 78.  
On Oak, = Cecidomyid sp. Houard, 1310.  
NORTHUMBERLAND, Warkworth; Ovingham. DURHAM,  
several records. LANCASHIRE, Grange-over-Sands. YORK-  
SHIRE, Leeds district and near Middlesbro'.
- \*153A. *P. lithospermi* H. Loew, 1850, p. 36 (*Cecidomyia*);  
Kieffer, 1913-2, p. 78.  
On *Lithospermum officinale*. Houard, 4741.  
NORTHUMBERLAND, Ovingham; on an isolated patch of  
the host-plant.
154. *P. lotharingiae* Kieffer, 1888-1, p. 107 (*Cecidomyia*);  
1913-2, p. 78.  
On *Cerastium vulgatum*. Swanton, 346, 347; Houard,  
2331, 2334.  
Records from all counties excepting Cheshire.
- \*155. *P. loti* Kieffer, 1909, p. 14; 1913-2, p. 78.  
On *Lotus corniculatus*, = Cecidomyid sp. Houard, 3622.  
DURHAM, Gibside, apparently rare.
156. *P. loticola* Rübсаamen, 1889-2, p. 52 (*Cecidomyia*);  
Kieffer, 1913-2, p. 78.  
On *Lotus major* and occasionally \**L. corniculatus*.  
Swanton, 584; Houard, 3626, \*3616.  
Records from all counties excepting Westmoreland.
- \*157. *P. lupulinae* Kieffer, 1891, p. 258; 1913-2, p. 78.  
On *Medicago lupulina*. Houard, 3507.  
DURHAM, near Burnmoor.
- \*158. *Perrisia* sp. Kaltenbach and others.  
On *Medicago lupulina*. Houard, 3509.  
DURHAM, Hylton and Penshaw. Recorded by Mr. Burkill  
from W. Gloucestershire.

- \*159. *P. lychnidis* Heyden, 1861. p. 98 (*Cecidomyia*);  
Kieffer, 1913-2. p. 78.

On *Lychnis alba*. Houard, 2292.

NORTHUMBERLAND, coast near Bamburgh. DURHAM,  
Lamesley, Fencehouses. LANCASHIRE, Ainsdale.

160. *P. mali* Kieffer, 1904-2. p. 345; 1913-2, p. 78.

On *Pyrus Malus*. Swanton, 533; Houard, 2885.

DURHAM, near Stanley.

- \*161. *P. malpighii* Kieffer, 1909, p. 21 (gall); 1913-2, p. 78.

On *Quercus*. Houard, 1354.

NORTHUMBERLAND, Warkworth, rare. DURHAM, Gibside.  
LANCASHIRE, Grange-over-Sands. YORKSHIRE, Leeds;  
Bardsey.

- \*162. *P. miki* Kieffer, 1909, p. 6 (gall); 1913-2, p. 78.

On (*a*) *Centaurea nigra* and (*b*) *C. Scabiosa*, = Cecidomyid  
sp. Houard, 5981.

NORTHUMBERLAND, near Staward (*a*). DURHAM, Fat-  
field (*a*), Billingham (*b*), Hylton (*b*), and Gibside (*a*).  
CUMBERLAND, near Nenthead (*a*). LANCASHIRE and WEST-  
MORELAND, near Grange-over-Sands (*a*). YORKSHIRE,  
Marton.

- \*163. *Perrisia* sp. Bagnall and Harrison, 1916 (iii), p. 199.

Head of (*a*) *Centaurea nigra* swollen, breaking round  
edges; larvae in large numbers, yellowish to pink. Also  
in (*b*) *C. Scabiosa*.

NORTHUMBERLAND and DURHAM, several records in (*a*)  
and (*b*). CHESHIRE, Bidston Hill, plentiful (*a*). CUMBER-  
LAND, Nenthead (*a*).

- \*164. *Perrisia* sp. Bagnall and Harrison, 1917 (v), p. 14.

In old heads of *Centaurea Scabiosa*, larvae gregarious,  
orange-red to copper-red, small; *not* the above species.

NORTHUMBERLAND, Warkworth. DURHAM, Catcleugh  
Rock, near Sunderland; Ryhope; Fulwell; Easington.  
Also in old heads of *C. nigra*.



- \*165. *Perrisia* sp. Bagnall and Harrison, 1917 (v), p. 14.  
 In a garden *Helianthus*; gregarious larvae in heads, golden-yellow-orange to orange-red.  
 DURHAM, Fatfield.
166. *P. muricatae* Meade (*caricis* H. Loew), 1886, p. 153  
 (*Cecidomyia*); Kieffer, 1913-2, p. 79.  
 In utricle of *Carex vulpina*, *C. contigua*, \**C. pendula*,  
*C. luervigata*, *C. sylvatica* and *C. pallescens*. Swanton, 69,  
 70; Houard, 361, 362.  
 NORTHUMBERLAND, Warkworth, on *C. pendula*. DUR-  
 HAM, Gibside, on *C. pendula*, *C. sylvatica* and *C. pallescens*;  
 Waldridge, on *C. luervigata*; Billingham. LANCASHIRE, near  
 Grange-over-Sands, on *C. vulpina*.
- \*167. *P. nervicola* Kieffer, 1909, p. 9 (gall); 1913-2, p. 79.  
 On *Hieracium Pilosella*, = Cecidomyid sp. Houard, 6205.  
 DURHAM, very local, Birtley Fell, Roker. YORKSHIRE,  
 Huddersfield district (W. Falconer).
168. *P. onobrychidis* (*giraudi* Frauentf.) Bremi, 1847, p. 53  
 (*Cecidomyia*); Kieffer, 1913-2, p. 79.  
 On *Astragalus danicus*. Swanton, 585; Houard, 3646.  
 Probably *P. glycyphylli*.
- \*168A. *P. panteli* Kieffer, 1909, p. 21 (gall); 1913-2, p. 79.  
 On Oak. Houard (Cecidomyid), 1315.  
 NORTHUMBERLAND, Ovingham, 1 only (H. S. Wallace).  
 YORKSHIRE, Leeds, plentiful on one old tree.
169. *P. papaveris* Winnertz, 1853, p. 229 (*Cecidomyia*);  
 Kieffer, 1913-2, p. 79.  
 In capsules of *Papaver Rhoeas*. Swanton, 377; Houard,  
 2479.  
 DURHAM, an isolated record, in field near Hylton.
- \*170. *P. periclymeni* Rübsaamen, 1889-2, p. 51 (*Cecido-  
 myia*); Kieffer, 1913-2, p. 79.  
 On *Lonicera Periclymenum*. Houard, 5361.  
 NORTHUMBERLAND, Warkworth; Ovingham. DURHAM,  
 Gibside (Barry Stewart and R. S. B.). Waldridge; Urpeth;  
 Winlaton; Fenechouses and Easington. CHESHIRE,  
 Bidston Hill. YORKSHIRE, Bardsey, near Leeds.

171. *P. persicariae* Linné, 1767, p. 977 (*Tipula*); Kieffer, 1913-2, p. 79.

On *Polygonum amphibium*. Swanton, 324, 325; Houard, 2157, 2159.

DURHAM, Urpeth.

172. *P. plicatrix* H. Loew, 1850, p. 36 (*Cecidomyia*); Kieffer, 1913-2, p. 79.

On *Rubus* spp. Swanton, 479, 482, 490; Houard, 2966, 2978, 3025.

In some districts very common; records from all counties.

- \*173. *P. polygalae* Kieffer, 1909, p. 18 (gall); 1913-2, p. 79.

In *Polygala vulgaris*, larvae in flower. See Houard, 3855.

DURHAM, Birtley, Horden, Lanchester district (H. S. Wallace and J. W. H. H.). CUMBERLAND, Alston.

- \*174. *P. populeti* Rübsaamen, 1889-2, p. 57 (*Cecidomyia*); Kieffer, 1913-2, p. 79.

On *Populus tremula* and *P. tremulae* × *alba*. Houard, 503.

DURHAM, Gibside and near Winlaton Mill. NORTHUMBERLAND, on the Alnwick road four miles north of Morpeth.

175. *P. potentillae* Wachtl, 1885, p. 193 (*Cecidomyia*); Kieffer, 1913-2, p. 79.

On *Potentilla*.

- \*176. *P. praticola* Kieffer, 1892-1, p. 216 (*Cecidomyia*); 1913-2, p. 79.

In flower *Lychnis Flos-cuculi*. Houard, 2290.

DURHAM, Gibside, Billingham.

- \*177. *P. pteridicola* Kieffer, 1901-2, p. 19 (*Cecidomyia*); 1913-2, p. 80.

On *Pteris aquilina*, local. Houard, 69.

NORTHUMBERLAND, Ninebanks. DURHAM, Fatfield, Birtley.

- \*178. *P. pustulans* Rübsaamen, 1889-1, p. 378 (*Cecidomyia*); Kieffer, 1913-2, p. 80.

On *Spiraea Ulmaria*, local. Houard, 2838.

Records from all counties excepting Lancashire and Westmoreland. Mr. Burkill records it from Derbyshire.

179. **P. pyri** Bouché, 1847, p. 141 (*Cecidomyia*); Kieffer, 1913-2, p. 80.

On *Pyrus communis*. Swanton, 526; Houard, 2864.  
DURHAM, Gibside. LANCASHIRE, Lathom.

\*180. † **P. pierreana** Kieffer.

On *Salix cinerea*, = *Perrisia* sp. Houard (S. 42), 892.  
DURHAM, Waldrige. LANCASHIRE, near Ainsdale.

181. **P. ranunculi** Bremi, 1847, p. 54 (*Cecidomyia*); Kieffer, 1913-2, p. 80.

On *Ranunculus* spp. Swanton, 362, 366, 370; Houard, 2423, 2431, 2438.

Records from all counties excepting Cheshire and Cumberland.

\*182. **P. raphanistri** Kieffer, 1886, p. 324 (*Cecidomyia*); 1913-2, p. 80.

On *Brassica Napus*. Houard, 2594 (*Dasyneura raphanistri*).

NORTHUMBERLAND. Warkworth. DURHAM, rare and local, Fatfield, Fenehouses and Penshaw.

\*183. **P. rhododendroni** Kieffer, 1909, p. 95; 1913-2, p. 80.

On *Rhododendron ferrugineum*. Houard.

YORKSHIRE, in a moraine garden at Linthorpe, near Middlesbrough.

184. **P. rosarum** Hardy, 1850, p. 186 (*Cecidomyia*); Kieffer, 1913-2, p. 80.

On *Rosa* spp. Swanton, 503, 507, 512; Houard, 3135, 3186.

Records from all counties excepting Westmoreland and Cheshire.

\*185. **Perrisia** sp.

On *Rosa* spp. like *P. rosarum* gall, larvae white.

NORTHUMBERLAND and DURHAM, several records (= *Dirhiza rhodophila*).

† We have been unable to trace this in Kieffer, 1913-2.

- \*186. **P. rostrupiana** Kieffer, 1909, p. 29 (gall and larva); 1913-2, p. 80.

On *Spiraea Ulmaria*, = Cecidomyid sp. Houard, 2836.

Not common; records from all counties excepting Cheshire.

- \*187. ? **P. rubsaameni** Kieffer, 1909, p. 6 (gall); 1913-2, p. 80.

On *Carpinus Betulus*, parenchymatous, = Cecidomyid sp. Houard, 1041.

Circular clear-cut holes observed in leaves of hornbeam (counties DURHAM and LANCASHIRE) in October are probably the results of this insect. Requires confirmation.

- \*188. **P. salicariae** Kieffer, 1888-1, p. 96 (*Cecidomyia*); 1913-2, p. 80.

On *Lythrum Salicaria*. Houard, 4325, 4326.

NORTHUMBERLAND, not uncommon near Bamburgh.

- \*189. **P. sanguisorbae** Kieffer, 1890-1, p. 26 (*Cecidomyia*); 1913-2, p. 80.

On *Sanguisorba officinalis*. Houard, 3100.

DURHAM, near Penshaw.

- \*190. **P. scabiosae** Kieffer, 1888-1, p. 97 (*Cecidomyia*); 1913-2, p. 81.

On *Scabiosa Columbaria*. Houard, 5466, 5470.

DURHAM, Penshaw Hill, common; and Catcleugh Rock, near Sunderland.

- \*191. **P. schlechtendali** Kieffer, 1886, p. 328 (*Cecidomyia*); 1913-2, p. 81.

On *Lathyrus macrorhizus*. Houard, 3781.

DURHAM, Birtley; Fatfield; Fencehouses; Gibside, common; Winton (H. S. Wallace), and near Lanchester. NORTHUMBERLAND, Ovingham.

- \*192. **P. schmidti** Rübsaamen, 1912, p. 284; Kieffer, 1913-2, p. 81.

Heads of *Plantago lanceolata*.

DURHAM, Greatham. LANCASHIRE, Grange-over-Sands.

193. **P. serotina** Winnertz, 1853, p. 316 (*Cecidomyia*);  
Kieffer, 1913-2, p. 81.

On *Hypericum* spp. Swanton; Houard.

NORTHUMBERLAND, near Staward and Ovingham, on *H. pulchrum*; Warkworth, on *H. humifusum*. DURHAM, near Lanchester and Winlaton Mill, on *H. pulchrum*; Gibside, on *H. perforatum* and *H. pulchrum*; Dinsdale and Castle Eden, on *H. hirsutum*. LANCASHIRE, Hampsfell, Grange-over-Sands, on *H. pulchrum*, very local. YORKSHIRE, Bardsey, near Leeds.

- \*194. **P. silvicola** Kieffer, 1909, p. 30 (gall and larva);  
1913-2, p. 81.

On \**Stellaria graminea*.

NORTHUMBERLAND, between Langley Woods and Whitfield.

On *Stellaria Holostea* = *Perrisia* sp. Houard, 2311.

NORTHUMBERLAND, Warkworth; Ovingham. DURHAM, Gibside and Easington. YORKSHIRE, Bardsey, near Leeds.

- \*195. **P. similis** F. Loew, 1888, p. 232 (*Cecidomyia*);  
Kieffer, 1913-2, p. 81.

On *Veronica* spp.

NORTHUMBERLAND, Warkworth, on *V. officinalis* and *V. Chamaedrys*. DURHAM, Gibside, on *V. scutellata* and *V. officinalis*; Lanchester and Stanhope, on *V. officinalis*; Castle Eden and Birtley, on *V. Chamaedrys*.

196. **P. sisymbrii** Schrank, 1803, p. 83 (*Tipula*); Kieffer,  
1913-2, p. 81.

On various Crucifers. Swanton; Houard.

DURHAM, Swalwell, on *Sisymbrium officinale*.

- \*197. ? **P. sodalis** F. Loew, 1877, p. 7 (*Cecidomyia*);  
Kieffer, 1913-2, p. 81.

On *Prunus*. *P. tortrix* and this species produce identical galls, and it will be necessary to breed out specimens before this can be definitely included in our list. See records under *P. tortrix*.

198. *P. stachydis* Bremi, 1847, p. 55 (*Cecidomyia*); Kieffer, 1913-2, p. 81.

On *Stachys sylvatica* and \**palustris*. Swanton, 711-714; Houard, 4860-62.

Records from all counties excepting Westmoreland.

\*199. *Perrisia* sp. Burkill, 1916.

On *Stachys palustris*; buds galled by white larvae.

Recorded by Mr. Burkill from Derbyshire.

\*200. *P. strobi* Winnertz, 1853, p. 234 (*Cecidomyia*); Kieffer, 1913-2, p. 81.

In cones of *Picea excelsa*.

NORTHUMBERLAND, near Corbridge. Mr. Evans records this species from Perthshire ("Ent. M. Mag.," 1909, p. 17).

\*201. *P. tetensi* Rübsaamen, 1892, p. 400 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On leaves of *Ribes* spp.

DURHAM, Gibside, on *R. Grossularia*; Birtley, on *R. nigra*.

\*202. *P. tetrahit* Kieffer, 1909, p. 8 (gall and larva); 1913-2, p. 82.

In *Galeopsis Tetrahit* flowers, = *Perrisia* sp. Houard, 4831.

LANCASHIRE, near Lathom.

\*203. *P. thomasiana* Kieffer, 1888-1, p. 95 (*Cecidomyia*); 1913-2, p. 82.

On *Tilia vulgaris* and *platyphyllos*. Houard, 4124, 4155.

NORTHUMBERLAND, Ovingham, Warkworth. DURHAM, several records. CUMBERLAND, Keswick and Alston. LANCASHIRE, Grange-over-Sands. YORKSHIRE, Gunnergate. Also from Scotland.

\*204. *Perrisia* sp. Bagnall and Harrison, 1917 (v), p. 14.

On *Tilia*, like *P. thomasiana*, but larva milk-white.

NORTHUMBERLAND, Plessey. DURHAM, near Chester-le-Street; Stanhope.

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205. *P. tiliamvolvans* (*tiliae* Schr., gall), Rübsaamen, 1889-2, p. 55 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On *Tilia* sp. Swanton, 618; Houard, 4160.  
DURHAM, Castle Eden Dene.

- \*206. *P. tortrix* F. Loew, 1877, p. 6 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On (a) *Prunus domestica*, wild, and (b) *P. spinosa*.  
Houard, 3269, 3274, 3282.

NORTHUMBERLAND, near Ministeracres, (a) H. 3269 and 3274.† YORKSHIRE, Bardsey near Leeds. LANCASHIRE, gall (a) H. 3274 only, near Lindale; Blackburn district (G. W. Nixon), perhaps referable to *P. sodalis* or both species. Mr. Burkill, 1916, records this species from *P. spinosa*, Devon.

207. *P. trachelii* Wachtl, 1885, p. 195 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On *Campanula rotundifolia*. Swanton, 796, 797; Houard, 5513.

DURHAM, near Wolsingham.

- \*208. *P. traili* Kieffer, 1909, p. 25 (gall); 1913-2, p. 82.

On *Ranunculus acris*, = Cecidomyid sp. Houard, 2420.  
NORTHUMBERLAND, Ovingham. DURHAM, near Penshaw.

209. *P. trifolii* F. Loew, 1874, p. 143 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On *Trifolium* spp. Swanton, 568, 569, 572, 577; Houard, 3589-91-96-64.

Records from all counties excepting Westmoreland.

- \*210. *Perrisia* sp. Burkill, 1916.

On *Trifolium pratense*, leaflets folded into a pod resembling the gall caused by *P. trifolii*, but each gall is occupied by a white larva.

DURHAM, near Hylton. NORTHUMBERLAND, Warkworth. Recorded by Mr. Burkill from Derbyshire.

† *Perrisia sodalis* may also occur in the gall 3274, but the presence of 3269 enables one to definitely record *P. tortrix*.

\*211. *Perrisia* sp. Burkill, 1916.

On *Trifolium repens*, leaves thickened and forming a firm fleshy gall, with aborted buds inside, among which live several larvae.

Recorded by Mr. Burkill from Surrey.

212. *P. tubicola* Kieffer, 1889-1, p. 188 (*Cecidomyia*); 1913-2, p. 82.

On *Cytisus scoparius*. Swanton, 559; Houard, 3423.

NORTHUMBERLAND and DURHAM, several records. CUMBERLAND, Keswick. LANCASHIRE, Freshfield.

\*213. *P. ulicis* Kieffer, 1909, p. 31 (gall); 1913-2, p. 82.

On *Ulex*, = Cecidomyid sp. Houard, 3396.

NORTHUMBERLAND, between Alnmouth and Warkworth. DURHAM, Gibside, Waldridge (gall only). LANCASHIRE, Grange-over-Sands (signs). YORKSHIRE, Eston (old galls).

214. *P. ulmariae* Bremi, 1847, p. 52 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On *Spiraea Ulmaria*. Swanton, 475; Houard, 2839.

Common; records from all counties.

215. *Perrisia* sp.

On *Spiraea Filipendula*. *Perrisia ulmaria* of Swanton, 476 and Houard, 2830. Swanton (1912, p. 64) suggests the name *P. filipendulae* for this gall, but that name has already been used by Kieffer (1909, p. 29) for another species affecting the same plant.

\*216. *P. ulmicola* Kieffer, 1909, p. 31 (gall and larva); 1913-2, p. 82.

On *Ulmus*.

DURHAM, Burnmoor, Gibside, Norton. NORTHUMBERLAND, Warkworth, rare. YORKSHIRE, Bardsey, near Leeds.

217. *P. urticae* Perris, 1840, p. 403 (*Cecidomyia*); 1913-2, p. 82.

On *Urtica dioica* and (more rarely) on *U. urens*. Swanton, 312, 316; Houard, 2095, 2099.

Very common everywhere.



- \*218. *P. vaccinivorum* Kieffer (nom. nov. for *vaccinii* Rübs. non Smith); Rübsaamen, 1895, p. 258 (*Cecidomyia*); Kieffer, 1913-2, p. 82.

On *Vaccinium Myrtillus*. Houard, 4564.

DURHAM, rare. Birtley, Waldrige.

219. *P. veronicae* (*chamaedrys* Inehb.) Vallot, 1827, p. 93 (*Cecidomyia*); Kieffer, 1913-2, p. 83.

On *Veronica Chamaedrys*. Swanton, 728; Houard, 5080. Recorded also in Houard from the British Isles on \**V. officinale* (5085) and \**V. serpyllifolia* (5105).

Very common; records from all counties. Taken by J. W. H. H. at Ninebanks in Northumberland on *V. montana*, and by R. S. B. at Warkworth on *V. officinale*.

220. *P. viciae* Kieffer, 1888-1, p. 105 (*Cecidomyia*); 1913-2, p. 83.

On *Vicia* spp. Swanton, 590, 594; Houard, 3731, 3696, \*3723.

General; records from all counties excepting Westmoreland.

221. *P. violae* F. Loew, 1880, p. 34 (*Cecidomyia*); Kieffer, 1913-2, p. 83.

On *Viola arvensis*. Swanton, 640; Houard, 4293.

DURHAM, Gibside, rare. CUMBERLAND, near Nenthead, rare.

- \*222. *P. virgae-aureae* Liebel, 1889, p. 283 (*Cecidomyia*); Kieffer, 1913-2, p. 83.

On *Solidago Virgaurea*. Houard, 5560, 5564.

NORTHUMBERLAND, near Staward.

- \*223. *Perrisia* sp. Kieffer, 1898.

On *Solidago Virgaurea*. Houard, 5559.

Records from all counties excepting Cumberland.

- \*224. *P. vitis-idaeae* Kieffer, 1909, p. 31 (gall); 1913-2, p. 83.

On *Vaccinium Vitis-idaea*. Houard, 4570.

CUMBERLAND, summit of Skiddaw.

\*225. **Perrisia** sp. Bagnall and Harrison, 1917 (v), p. 14.

On *Myosotis arvensis*; flower closed and slightly swollen, containing larva.

LANCASHIRE, Grange-over-Sands. Kieffer has described two species of *Perrisia* from the flower of *Myosotis palustris*.

**Hartigiola** Rübsaamen, 1912, p. 161.

226. **H. annulipes** Hartig (*piliger* H. Loew), 1844, p. 162 (*Cecidomyia*); Kieffer, 1913-2, p. 85.

Gall on beech-leaves. Swanton, 292; Houard, 1153.

Records from all counties excepting Westmoreland.

**Taxomyia** Rübsaamen, 1912, p. 216.

227. **T. taxi** Inebald, 1861, p. 76 (*Cecidomyia*); Kieffer, 1913-2, p. 86.

On *Taxus baccata*. Swanton, 14; Houard, 150.

NORTHUMBERLAND, Felton. DURHAM, Gibside, Fatfield, Birtley. LANCASHIRE, Grange-over-Sands, Silverdale. YORKSHIRE, Gunnergate.

#### Group ASPHONDYLARIAE.

**Schizomyia** Kieffer, 1889-1, p. 183.

228. **S. galiorum** Kieffer, 1889, p. 184; 1913-2, p. 89.

On *Galium* spp. Swanton, 746, 756; Houard, 5281, 5248.

Records from all counties excepting Westmoreland and Cheshire.

\*228A. **S. ligustri** Rübsaamen 1899-1, p. 598; Kieffer, 1913-2, p. 89.

In flowers of privet. Houard, 4679.

DURHAM, Hemlington; Hesleden Dene. Also taken at Bath.

**Kiefferia** Mik, 1895, p. 96.

229. **K. pimpinellae** F. Loew (*umbellatarum* F. Loew), 1874, p. 157; Kieffer, 1913-2, p. 90.

On *Umbelliferae* spp. Swanton, 657, 666, 670; Houard, 4445, 4499, 4529.

DURHAM, abundant on a plant of \**Angelica sylvestris*,

Lamesley; once only on *Pimpinella sarifraga*, Penshaw. On *Daucus carota*, Hart (J. Gardner). This species is not recorded in Houard on *Angelica*.

**Asphondylia** H. Loew, 1850, p. 21.

230. *A. dorycnii* F. Loew, 1880, p. 37; Kieffer, 1913-2, p. 93.  
On *Dorycnium*.
231. *A. genistae* H. Loew, 1850, p. 38; Kieffer, 1913-2, p. 93.  
On *Genista (germanica)*, Houard, 3345).
- \*232. *A. lupulinae* Kieffer, 1909, p. 14 (gall and nymph); 1913-2, p. 93.  
On *Medicago lupulina*. = *Asphondylia* sp. Houard, 3506. NORTHUMBERLAND, Warkworth. DURHAM, Birtley; near Penshaw. CUMBERLAND, near Alston.
233. *A. mayeri* Liebel, 1889, p. 266; Kieffer, 1913, p. 93.  
On *Cytisus scoparius*. Swanton, 558; Houard, 3412. NORTHUMBERLAND and DURHAM, many records. LANCASHIRE, Freshfield.
- \*234. ? *A. mikii* Wachtl. 1880, p. 535; Kieffer, 1913-2, p. 94.  
“*Medicago lupulina*. *Perrisia* sp. Seeds swollen and enlarged, each containing a yellow midge larva.”—Burkill, 1916, p. 5.  
YORKSHIRE, Burkill's record.
- \*235. *A. melanopus* Kieffer, 1890-1, p. 31; 1913-2, p. 93.  
Seed-pods of *Lotus corniculatus*, rare. Houard, 3613. NORTHUMBERLAND, Warkworth. DURHAM, Birtley, Tinkler Fell, Penshaw Hill. LANCASHIRE, near Freshfield.
- \*236. *A. ononidis* F. Loew, 1873, p. 139; 1913-2, p. 94.  
On *Ononis repens*. Houard, 3501. NORTHUMBERLAND, Warkworth. DURHAM, on the coast etween Horden and Hart.

- \*237. *A. proxima* Kieffer, 1909, p. 30 (larva and gall);  
1913-2, p. 94.

On *Thymus Serpyllum*, = Cecidomyid sp. Houard, 4914.  
DURHAM, Stanhope. CUMBERLAND, Alston. LANCASHIRE and WESTMORELAND, Hampsfell and Meathop Fell,  
near Grange-over-Sands.

238. *A. sarothamni* H. Loew, 1850, p. 38; Kieffer, 1913-2,  
p. 94.

On *Cytisus scoparius*. Swanton, 556, 557; Houard,  
3414, 3422.

Records from all counties excepting Westmoreland.

239. *A. thymi* Kieffer, 1898-2, p. 59; 1913-2, p. 94.

On *Thymus Serpyllum*. Swanton, 699; Houard, 4913.  
NORTHUMBERLAND, Warkworth.

240. *A. ulicis* Verrall, 1875, p. 225 (gall); Kieffer, 1913-2,  
p. 94.

On *Ulex europaeus*. Swanton, 552; Houard, 3395, 3397.  
Common; records from all counties.

Group BRACHYNEURARIAE.

*Phaenolauthia* Kieffer, 1912-2, p. 2.

- \*241. *P. cardui* Kieffer, 1904-2, p. 346; 1913-2, p. 111.

In galls of *Trypeta cardui*.

DURHAM, Penshaw and Edmondsley.

*Mikiola* Kieffer, 1896-3, p. 5.

242. *M. fagi* (*Tipula rubra* Hermann) Hartig, 1839, p. 4;  
Kieffer, 1913-2, p. 105.

Gall on leaves of *Fagus*. Swanton, 291; Houard, 1151.

NORTHUMBERLAND and DURHAM, several records. CUMBERLAND, Alston. YORKSHIRE, Marton.

*Lasiopteryx* Stephens, † 1829, p. 240.

243. *L. obfuscata* Meigen, 1818, p. 90; Kieffer, 1913-2,  
p. 117.

† Doubtful genus.

*Brachyneura* Rondani, 1840, p. 18 (type *fusco-grisea* Rondani).

244. *B. stygia* Walker (*nec* Meigen).†

Group CECIDOMYIARIAE (DIPLOSARIAE).

*Hormomyia* H. Loew, 1850, pp. 20 and 31.

245. *H. fischeri* Frauenfeld, 1867, p. 781; Kieffer, 1913-2, p. 138.

On *Carex limosa*. Swanton, 72.

\*246. *H. frireni* Kieffer, 1909, p. 5; 1913-2, p. 138.

DURHAM, Gibside, on *Carex binervis*; Birtley Fell, on *C. flava*.

247. *H. grandis*, Meigen, 1804, p. 39 (*Cecidomyia*); Kieffer, 1913-2, p. 138.

\*248. *H. kneuckeri* Kieffer, 1909, p. 5; 1913-2, p. 138.

On *Carex stellulata*. = *Hormomyia* sp. Houard, 368.  
DURHAM, Waldrige.

*Dishormomyia* Kieffer, 1912-2, p. 2.

\*249. *D. cornifex* Kieffer, 1898-2, p. 60 (*Hormomyia*); 1913-2, p. 139.

On *Carex stricta* and *C. flava*. Houard, 373.

DURHAM, near Chester-le-Street. CHESHIRE, Bidston Hill.

*Trishormomyia* Kieffer, 1912-2, p. 2.

\*250. *T. tuberifica* Rübsaamen, 1899, p. 603 (*Hormomyia*); Kieffer, 1913-2, p. 140.

On *Carex* spp. Houard, 376.

CHESHIRE, Bidston Hill, not rare. ? DURHAM, Gibside, on *C. binervis*, and coast between Horden and Hart, on *C. glauca*. NORTHUMBERLAND, Warkworth, on *C. glauca*.

† See Collin, 1904, note (3).

**Cyrtodiplosis** Kieffer, 1912-2, p. 1.

- \*251. **C. crassinerva** Kieffer, 1901-2, p. 172 (*Clinodiplosis*);  
1913-2, p. 144.

On *Stachys sylvatica*. Houard, 4859.

DURHAM, Birtley, Lamesley, Lambton and Fatfield.

**Monarthropalpus** Rübsaamen, 1892, p. 381.

252. **M. buxi** Geoffrey, 1764, p. 545 (*Scatopse*); Kieffer,  
1913-2, p. 150.

YORKSHIRE, Nunthorpe.

**Dichrona** Rübsaamen, 1899, p. 542.

- \*253. **D. gallarum** Rübsaamen, 1899, p. 542; Kieffer,  
1913-2, p. 151.

On *Carex* spp.

NORTHUMBERLAND, Bamburgh, on *C. distans*. DURHAM,  
Waldridge, on *C. flava*. CHESHIRE, Bidston Hill, several,  
on *C. stricta*.

**Arthrocnodax** Rübsaamen, 1895-2, p. 189.

254. **A. fraxinella** Meade, 1888, p. 77 (*Diplosis*); Kieffer,  
1913-2, p. 156.

In galls of the Eriophyid, *E. fraxini*, on Ash.

**Phaenobremia** Kieffer, 1912-2, p. 1.

- \*255. **Phaenobremia** sp. Bagnall and Harrison, 1917-2, p.  
208.

DURHAM, West Cornforth, larvae feeding on *Aphis mali*  
on apple.

**Aphidoletes** Kieffer, 1904-2, p. 385.

- \*256. **A. abietis** Kieffer, 1896-2, p. 382 (*Bremia*); 1913-2,  
p. 164.

DURHAM, in galls of *Adelges abietis*, Gibside.

- \*257. **Aphidoletes** sp. Bagnall and Harrison, 1917-3, p. 229.

DURHAM, in galls of *Adelges strobilobius*, Gibside; larva  
entirely red.

**Anabremia** Kieffer, 1912-2, p. 1.

- \*258. **A. bellevoeyi** Kieffer, 1896-2, p. 384; 1913-2, p. 169.

On *Lathyrus pratensis*. *Clinodiplosis bellevoeyi*, Houard, 3774.

Records from all counties.

- \*259. **A. viciae** Kieffer (nom. nov.) (*Clinodiplosis longiventris* larva, but not imago), 1909, p. 32; 1913-2, p. 169.

In flowers of *Vicia sepium*. *C. longiventris*, Houard, 3694.

DURHAM, Fatfield, taken by Mr. W. Hall.

**Hadrobremia** Kieffer, 1912-2, p. 1.

- \*260. **H. longiventris** Kieffer (imago, not larva; *trifolii* Kieffer larva, l.c. p. 31), 1909, p. 34 (*Clinodiplosis*); 1913-2, p. 170.

On *Trifolium pratense*. *C. trifolii* Kieffer, Houard (supplement), 6922.

DURHAM, Birtley.

**Endaphis** Kieffer, 1896-2, p. 383.

- \*261. **E. perfidus** Kieffer, 1896-2, p. 383; 1913-2, p. 172.

Endoparasite of *Aphis platanoides*.

NORTHUMBERLAND, Warkworth.

- \*262. **Endaphis** sp. Bagnall and Harrison, 1917-2, p. 208.

Endoparasite of an *Aphis* on *Ononis*.

DURHAM, Penshaw Hill.

**Thurauia** Rübsaamen, 1899-2, p. 38.

- \*263. **Thurauia** sp. Bagnall and Harrison, 1917-2, p. 208.

DURHAM, Waldrige Fell, in leaf-sheaths of *Carex Goodenovii*, submerged.

**Syndiplosis** Rübsaamen, 1910, p. 425.

- \*264. **S. lonicerearum** F. Loew, 1877, p. 17 (*Diplosis*); Kieffer, 1913-2, p. 178.

On *Viburnum Opulus*. *Cont. lonicerearum*, Houard, 5338.

NORTHUMBERLAND, Ovingham. DURHAM, Fatfield, Gibside, Waldrige Fell.

265. *S. petioli* Kieffer, 1898-2, p. 37 (*Harmandia*); 1913-2, p. 178.

On *Populus tremula*. *H. petioli*, Swanton, 173, 174; Houard, 493, 497.

*Contarinia Rondani*, 1860, p. 287.

\*266. *C. acetosae* Kieffer, 1901-2, p. 31; 1913-2, p. 179.

In flowers of *Rumex Acetosa* and *Acetosella*. Houard, 2128, 2136.

NORTHUMBERLAND, Warkworth. DURHAM, Greenside and near Lanchester; Beamish. CHESHIRE, Bidston Hill.

\*267. *C. anthobia* F. Loew, 1877, p. 16; Kieffer, 1913-2, p. 179.

In flowers of *Crataegus Oxyacantha*. Houard, 2941.

NORTHUMBERLAND and DURHAM, several records. YORKSHIRE, Gummergate.

\*268. *C. barbichei* Kieffer, 1890-1, p. 29; 1913-2, p. 179.

(a) On *Lotus corniculatus*. Houard, 3617.

Not rare; records from all counties.

(b) On *Lotus major*. Houard, 3627.

DURHAM, Gibside and Tinkler Fell.

\*269. *C. betulicola* Kieffer, 1889-1, pp. 155 and 171; 1913-2, p. 179.

On *Betula alba*. Houard, 1069.

NORTHUMBERLAND and DURHAM, several records. LANCASHIRE, Freshfield, Grange-over-Sands. CHESHIRE, Bidston Hill. YORKSHIRE, Eston.

270. *C. betulina* Kieffer, 1889-1, p. 153; 1913-2, p. 179.

On *Betula alba*. Swanton, 192; Houard, 1076.

NORTHUMBERLAND and DURHAM, several records. LANCASHIRE, sandhills near Freshfield, plentiful. YORKSHIRE, Eston; Leeds.

271. *C. campanulae* Kieffer, 1895-3, p. 9; 1913-2, p. 180.

On *Campanula rotundifolia*. Swanton, 795; Houard, 5511.

NORTHUMBERLAND, Warkworth.



\*272. *C. coryli* Kieffer, 1909, p. 31; 1913-2, p. 180.

On *Corylus Avellana*. = *Diplosine* sp., Houard, 1062.  
NORTHUMBERLAND and DURHAM, several records. LANCASHIRE, Grange-over-Sands, rather rare. WESTMORELAND, Kirkby-Stephen. YORKSHIRE, Bardsey, near Leeds.

273. *C. craccae* Kieffer, 1897-3, p. 15; 1913-2, p. 180.

On *Vicia* spp. Swanton, 589, 593; Houard, 3721, 3693.  
Not uncommon; records from all counties excepting Westmoreland.

\*274. *C. cucubali* Kieffer, 1909, p. 28; 1913-2, p. 28.

On *Silene inflata*. = *Contarinia* sp., Houard, 2266.  
DURHAM, Birtley, Fatfield and Hylton.

\*275. *C. gei* Kieffer, 1909, p. 9; 1913-2, p. 180.

On *Geum rivale*. = *Diplosine* sp., Houard, 3091.  
CUMBERLAND, near Nenthead.

276. *C. helianthemi* Hardy, 1850, p. 187; Kieffer, 1913-2, p. 180.

On *Helianthemum vulgare*. Swanton, 631; Houard, 4269.

NORTHUMBERLAND, Cheviot district (Hardy). DURHAM, Ryhope, Easington, Horden and Blackhall Rocks. LANCASHIRE and WESTMORELAND, Silverdale, Lindale, and Grange-over-Sands neighbourhood.

277. *C. heraclei* Rübsaamen, 1889-1, p. 274; Kieffer, 1913-2, p. 180.

On *Heracleum Sphondylium*. Swanton, 668; Houard, 4513.

NORTHUMBERLAND, Langley Woods. DURHAM, Birtley, not common; Hylton and near Washington, rare. CUMBERLAND, Nenthead.

\*278. *C. lathyri* Kieffer, 1909, p. 13; 1913-2, p. 181.

In flower of *Lathyrus pratensis*. = *Contarinia* sp., Houard, 3770.

DURHAM, Penshaw, a few; Lamesley, one only.

279. *C. linariae* Winnertz, 1853. p. 260; Kieffer, 1913-2, p. 181.

On *Linaria vulgaris*. Swanton, 724; Houard, 5028.

DURHAM, Biddick and Fatfield (R. S. B. and W. Hall), Birtley. LANCASHIRE, near Freshfield.

280. *C. loti* De Geer, 1776, p. 420; Kieffer, 1913-2, p. 181.

(a) On *Lotus corniculatus*. Swanton, 583; Houard, 3614.

NORTHUMBERLAND, Ninebanks. DURHAM, several records. CUMBERLAND, Alston. LANCASHIRE, Birkdale, Ainsdale, Freshfield, in numbers.

\*(b) On *Lotus major*. Houard, 3625.

LANCASHIRE, Ainsdale. rare. YORKSHIRE, see Burkill, 1916. Mr. Burkill also records this from Surrey and Staffordshire on *L. major*.

\*281. ? *C. medicaginis* Kieffer, 1895-4, p. 150; 1913-2, p. 181.

On *Medicago falcata*. Swanton, 562.

The species recorded by Connold and Swanton (562), "Flowers and seed-pod swollen, reddish. Larvae gregarious," would seem to refer to this species and (in the seed-pod) *Asphondylia mikii*. Certainly not to *C. loti*.

282. *C. melanocera* Kieffer, 1909, p. 76; 1913-2, p. 181.

On *Genista tinctoria*. Swanton, 550; Houard, 3372.

DURHAM, Gibside, plentiful.

\*283. *C. nasturtii* Kieffer, 1888-2, p. 263; 1913-2, p. 181.

See Carpenter, 1911, pp. 68-71, on *Brassica Rapa*. Houard, 6701 (supplement).

\*284. *C. nicolayi* Rùbsaamen, 1895-1, p. 183; Kieffer, 1913-2, p. 181.

On *Heracleum Sphondylium*. Houard, 4509.

DURHAM, many records. CUMBERLAND, Alston. LANCASHIRE, Grange and Lindale. YORKSHIRE, Redcar.

\*285. *C. ononidis* Kieffer, 1889-3, p. 93; 1913-2, p. 181.

On *Ononis repens*. Houard, 3500.

NORTHUMBERLAND, Warkworth. DURHAM, between Horden and Hart; also Ryhope.

286. *C. pyrivora* Riley, 1886, p. 283 (*Diplosis*): Kieffer, 1913-2, p. 181.

On *Pyrus communis*. Swanton, 525; Houard, 2855.  
DURHAM. Wear and Derwent valleys, a few old records.

287. *C. quercina* Rübssaamen (*dryophila* Kieffer), 1890, p. 21; Kieffer, 1913-2, p. 181.

On *Quercus*. Swanton, 278; Houard, 1207.  
DURHAM, Gibside, Fatfield and West Cornforth. YORKSHIRE, Bardsey, near Leeds.

- \*288. *C. rubicola* (Kieffer, 1908, gall and larva) Rübssaamen, 1910, p. 424; Kieffer, 1913-2, p. 181.

In flowers of *Rubus caesius*. Houard (supplement), 6775.  
NORTHUMBERLAND, Warkworth. DURHAM, Birtley. Bid-dick. LANCASHIRE and WESTMORELAND, near Grange-over-Sands.

289. *C. ruderalis* Kieffer, 1890-3, p. 198; 1913-2, p. 181.

On *Sisymbrium officinale*. Swanton, 403; Houard, 2576.  
DURHAM, Birtley. YORKSHIRE, Redcar.

- \*290. *C. scabiosae* Kieffer, 1898-2, p. 60; 1913-2, p. 182.

On *Scabiosa Columbaria*. Houard, 5463.  
DURHAM, near Birtley; Penshaw Hill; Tunstal Hill, near Sunderland; Horden and Hart. CUMBERLAND, near Alston.

- \*291. *C. scoparii* Rübssaamen, 1889-2, p. 48; Kieffer, 1913-2, p. 182.

On *Cytisus scoparius*. Houard, 3421 and 3430.  
DURHAM, Horsleyhope and between Newbiggin and Rowley; Wolsingham.

- \*292. *C. sorbi* Kieffer, 1896-1, p. 99; 1913-2, p. 182.

On *Pyrus Aucuparia*. Houard, 2909.  
DURHAM, Westgate. CUMBERLAND, near Alston.  
CHESHIRE, Bidston. YORKSHIRE, Great Ayton Moor.

293. *C. steini* Karsch, 1881, p. 227; Kieffer, 1913-2, p. 182.

On *Lychnis alba* and \**L. dioica*. Swanton, 345; Houard, 2291 and \*2294.

Records from all counties excepting Westmoreland.

294. **C. tiliarum** Kieffer, 1890-2, p. 193; 1913-2, p. 182.  
On *Tilia platyphyllos* and *T. vulgaris*. Swanton, 615-17, 619; Houard, 4122-23-25-54.  
Records from all counties excepting Westmoreland and Cheshire.
- \*295. **C. tragopogonis** Kieffer, 1909, p. 30; 1913-2, p. 182.  
On *Tragopogon pratensis*. = *Contarinia* sp., Houard, 6077.  
DURHAM, Wear Valley, from Chester-le-Street to Hylton; Ryhope. LANCASHIRE, Birkdale. CHESHIRE, Bidston. YORKSHIRE, Redcar.
296. **C. traili** Kieffer, 1889-2, p. 262; 1913-2, p. 182.  
Flowers of *Pimpinella Saxifraga*. Swanton, 658; Houard, 4446.  
DURHAM, near Penshaw, galls only, rare.
297. *C. tremulae* Kieffer, 1909, p. 78; 1913-2, p. 182.  
On *Populus tremula*. = *Contarinia* sp., Swanton, 172; Houard, 502.
298. *C. tritici*, Kirby, 1797, p. 246 (*Cecidomyia*); Kieffer, 1913-2, p. 182.
- \*299. **C. valerianae** Rübssaamen, 1890, p. 231; Kieffer, 1913-2, p. 182.  
*Valeriana sambucifolia*. Houard, 5421.  
DURHAM, Gibside.
- \*300. **C. viburnorum** Kieffer (nom. nov. for *C. viburni* Kieff. non Felt), 1912-1, p. 230; 1913-2, p. 182.  
In flowers of *Viburnum Opulus*.  
NORTHUMBERLAND, Ovingham. DURHAM, many records. CUMBERLAND, Keswick.
- \*301. **Contarinia** sp. Rübssaamen; Lagerheim.  
On *Galium verum*. Houard, 5288.  
DURHAM, Penshaw Hill. NORTHUMBERLAND, Bamburgh, Warkworth. Also from Scotland.
- \*302. **Contarinia** sp. Bagnall and Harrison, 1917-3, p. 229.  
On *Bupleurum tenuissimum*.  
DURHAM, Greatham.

*Stictodiplosis* Kieffer, 1894, p. 28.

303. *S. corylina* F. Loew, 1878, p. 366; Kieffer, 1913-2, p. 183.

On *Corylus Avellana*. Swanton, 215; Houard, 1052.

LANCASHIRE, Grange-over-Sands, not uncommon. DURHAM, wood near Fatfield. NORTHUMBERLAND, Warkworth and Ovingham. YORKSHIRE, Bardsey, near Leeds.

- \*304. *S. hypochoeridis* Rübsaamen, 1891, p. 52; Kieffer, 1913-2, p. 183.

(a) On *Hypochoeris radicata*. Houard, 6031.

Records from all counties.

(b) On *Crepis biennis*. Houard (supplement), 7538.

YORKSHIRE, Stainton.

305. *S. jacobaeae* H. Loew, 1850, p. 29; Kieffer, 1913-2, p. 183.

On *Senecio Jacobaea* and \**S. erucifolius*. Swanton, 841; Houard, 5865.

Records from all counties excepting Cumberland, but only once on *S. erucifolius* (Cowpen-Bewley, co. Durham).

- \*306. *S. pilosellae* Kieffer, 1896-1, p. 100; 1913-2, p. 183.

On *Hieracium Pilosella*. Houard, 6197.

DURHAM, Fatfield, and Tunstal Hill, near Sunderland, rare.

307. *S. scrophulariae* Kieffer, 1896-1, p. 100; 1913-2, p. 183.

On *Scrophularia nodosa*. Swanton, 726; Houard, 5063.

NORTHUMBERLAND, near Staward. DURHAM, Gibside, locally plentiful; Fencehouses. LANCASHIRE, Grange-over-Sands, rare.

- \*308. *S. umbellatarum* Rübsaamen, 1910, p. 422; Kieffer, 1913-2, p. 183.

Flowers of *Pimpinella magna*.

LANCASHIRE, near Grange-over-Sands.

*Thecodiplosis* Kieffer, 1895-2, p. 194.

309. *T. brachyntera* Schwägriichen, 1835, p. 162 (*Cecidomyia*); Kieffer, 1913-2, p. 184.

On *Pinus sylvestris*. Swanton, 21; Houard, 76.

NORTHUMBERLAND, near Warkworth. DURHAM, Tinkler Fell. LANCASHIRE, Grange-over-Sands.

*Myricomyia* Kieffer, 1900, p. 170.

\*310. *M. mediterranea* F. Loew, 1885-2, p. 485 (*Diplosis*); Kieffer, 1913-2, p. 186.

On *Erica Tetralix*.

NORTHUMBERLAND, Blanchland. DURHAM, Waldrige, Birtley, Killhope and Waskerley. CUMBERLAND, Killhope. YORKSHIRE, Eston and Ayton.

*Zeuxidiplosis* Kieffer, 1904-2, p. 349.

\*311. *Z. giardi* Kieffer, 1896-2, p. 383 (*Thecodiplosis giardiana* Kieffer, 1898); 1913-2, p. 187.

On (a) *Hypericum perforatum* and (b) *H. pulchrum*. = *Z. giardiana*. Houard, 4210, 4202.

NORTHUMBERLAND, near Staward (b), rare. DURHAM, Gibside (a), rare. CUMBERLAND, near Nenthead (b), rare.

*Atrichosema* Kieffer, 1904-2, p. 347.

312. *A. aceris* Kieffer, 1904-2, p. 348; 1913-2, p. 189.

On *Acer campestre*. Swanton, 606, 607; Houard, 4030.

*Trichodiplosis* Kieffer, 1912-1, p. 229.

\*313. *T. caricis* Kieffer, 1898-2, p. 61 (*Antichira*); 1913-2, p. 191.

In leaf-sheaths of *Carex Goodenovii* and *C. glauca*.

DURHAM, Waldrige. NORTHUMBERLAND, Warkworth. CUMBERLAND, Alston. CHESHIRE, Bidston.

*Antichiridium* Rübsaamen, 1911, p. 168 (for *Antichira* Rübs. 1911, non Eschscholz).

\*314. *A. striatum* Rübsaamen, 1911, p. 122 (*Antichira*); Kieffer, 1913-2, p. 192.

In leaf-sheaths of grasses and sedges if large and coarse.

NORTHUMBERLAND, Warkworth, on *Carex pendula*. DURHAM, Birtley, on *Typha latifolia*; Gibside, on *Carex pendula*; and near Swalwell, on *Phragmites*. LANCASHIRE, near Grange-over-Sands, on *Phragmites*.

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**Lestodiplosis** Kieffer, 1894, p. 28.

315. *L. callida* Winnertz, 1853, p. 255 (*Diplosis*); Kieffer, 1913-2, p. 197.

316. *L. centralis* Winnertz, 1853, p. 277 (*Diplosis*); Kieffer, 1913-2, p. 197.

**Pseudhormomyia** Kieffer, 1898-2, p. 57.

317. *P. granifex* Kieffer, 1898-2, p. 57-8; 1913-2, p. 201.

On *Carex caespitosa*, \**C. paniculata*, \**C. stricta* and *C. flava*. Swanton, 71; Houard, \*374.

CHESHIRE. Bidston Hill, on *C. stricta*. DURHAM, Birtley, on *C. flava*.

**Taphodiplosis** Kieffer, 1912-2, p. 2.

\*318. *T. subterranea* Kieffer et Trotter, 1905, p. 65 (*Pseudhormomyia*); Kieffer, 1913-2, p. 205.

On *Carex* spp. Houard, 366.

NORTHUMBERLAND, Bamburgh, on *C. distans*. DURHAM, near Lanchester, on *C. divulsa*; Walldridge, on *C. flava*; Gibside, on *C. binervis*. LANCASHIRE, Grange-over-Sands.

**Dyodiplosis** Rübsaamen, 1912, p. 19.

\*319. *D. arenariae* Rübsaamen, 1899, p. 602 (*Hormomyia*).

On *Carex arenaria*.

NORTHUMBERLAND, Bamburgh, rare.

**Loewiola** Kieffer, 1896-3, p. 5.

320. *L. centaureae* F. Loew, 1875, p. 25 (*Diplosis*); Kieffer, 1913-2, p. 207.

(a) On *Centaurea nigra*, very local. Swanton, 855, 856. DURHAM, Fatfield and Ryhope. LANCASHIRE, Lathom.

\*(b) On *C. Scabiosa*. Houard, 5990.

DURHAM, Ryhope.

Recorded by Mr. Burkill from Surrey, on *C. Scabiosa*.

**Putoniella** Kieffer, 1896, p. 4.

321. *P. marsupialis* F. Loew, 1889, p. 536; Kieffer, 1913-2, p. 209.

On *Prunus spinosa*. Swanton, 456; Houard, 3295.

DURHAM, Ryhope Dene, plentiful.

**Haplodiplosis** Rübsaamen, 1911, p. 393.

- \*322. **H. equestris** B. Wagner, 1871, p. 41; Kieffer, 1913-2, p. 210.

See Houard, 333.

LANCASHIRE, Grange-over-Sands, on a common grass—*Triticum* sp. or ally. Brought forward as British by the late F. Enoch.

**Cecidomyia** \*Meigen, 1803, p. 261.†

323. **C. pini** de Geer,‡ 1776, p. 417 (*Tipula*); Kieffer, 1913-2, p. 215.

324. **C. flava** Meigen, 1818, p. 99 (*Diplosis* Theobald); Kieffer, 1913-2, p. 215.

325. **C. verna** Curtis, 1827, p. 178; Kieffer, 1913-2, p. 220.

**Macrodiplosis** Kieffer, 1895-2, p. 194.

326. **M. dryobia** F. Loew, 1877, p. 14; Kieffer, 1913-2, p. 223.

On *Quercus*. Swanton, 279; Houard, 1306.

NORTHUMBERLAND and DURHAM, several records. CUMBERLAND, Keswick. LANCASHIRE, Grange. YORKSHIRE, Bardsey near Leeds and Nunthorpe.

327. **M. volvens** Kieffer, 1904-1, p. 79; 1913-2, p. 223.

On *Quercus*. Swanton, 280; Houard, 1307.

NORTHUMBERLAND and DURHAM, several records. CUMBERLAND, Keswick. LANCASHIRE, Grange-over-Sands, rare.

**Xenodiplosis** Felt, 1911, p. 61 (= *Allodiplosis* Rübs. non Kieffer).

- \*328. **X. laeviusculi** Rübsaamen, 1911, p. 85; Kieffer, 1913-2, p. 228.

On gall of *Neuroterus laeviusculus*.

DURHAM, Fatfield. NORTHUMBERLAND, Warkworth. YORKSHIRE, Bardsey near Leeds.

† All species in this genus excepting the type *pini* are insufficiently described, and therefore cannot be relegated to any known genus.

‡ Synonyms are *laterella* Zett., *pilosa* Bremi, and *pini-maritimae* Dup.



**Parallelodiplosis** Rübsaamen, 1910, p. 287.

- \*329. **P. galliperda** F. Loew, 1889, p. 202 (*Diplosis*);  
Kieffer, 1913-2, p. 229.

On gall of *Neuroterus lenticularis* on Oak.

NORTHUMBERLAND, Warkworth and Ovingham. YORKSHIRE, Nunthorpe.

**Harmandia** Kieffer, 1896-3, p. 5.

330. **H. tremulae** Winnertz, 1853, p. 263; Kieffer, 1913-2, p. 234.

On *Populus tremula*. Swanton, 175; Houard, 506.

DURHAM, Low Fell.

- \*331. **H. pustulans** Kieffer, 1909, p. 18 (gall), and 1912-1, p. 230 (larva); 1913-2, p. 234.

On *Populus tremula*. = *Diplosine* sp., Houard, 513.

YORKSHIRE, Nunthorpe, very rare.

**Dichodiplosis** Rübsaamen, 1911, p. 171.

- \*332. **D. langeni** Rübsaamen, 1911, p. 171; Kieffer, 1913-2, p. 235.

On dried plums.

DURHAM, Gibside.

**Clinodiplosis** Kieffer, 1894-2, p. 121.

- \*333. **C. betonicae** Kieffer, 1909, p. 3; Kieffer, 1913-2, p. 237.

In flower of *Betonica officinalis*.

NORTHUMBERLAND, Ninebanks; Warkworth. DURHAM, Gibside.

334. **C. botularia** Winnertz, 1853, p. 266 (*Diplosis*);  
Kieffer, 1913-2, p. 237.

Inquiline in galls of *Perrisia fraxini*.

NORTHUMBERLAND, near Staward. DURHAM, Penshaw Hill. CUMBERLAND, Alston. YORKSHIRE, Bardsey near Leeds and Gumergate.

- \*335. **C. rosiperda** Rübsaamen, 1892-2, p. 54; Kieffer, 1913-2, p. 238.

On *Rosa villosa* (abroad on *Rosa centifolia* only, see Houard, R2, 3128).

DURHAM, Billingham, Lamesley and Gibside. NORTH-  
UMBERLAND, Ovingham. YORKSHIRE, Bardsey near Leeds.

\*336. *C. schlechtendali* Rübsaamen, 1911, p. 16; Kieffer,  
1913-2, p. 238.

On *Convolvulus sepium*.

NORTHUMBERLAND, Warkworth. DURHAM, between  
Wolviston and Greatham.

*Mycodiplosis* Rübsaamen, 1895-1, p. 186.

336A. *M. conioiphaga* Winnertz, 1853, p. 267; Kieffer,  
1913-2, p. 242.

\*337. *Mycodiplosis* sp. Bagnall and Harrison, 1917-2, p. 208.

On the aecidia of *Uromyces junci*, larva orange-red.

DURHAM, Billingham.

\*338. *Mycodiplosis* sp. Bagnall and Harrison, 1917-2, p. 208.

On *Crepis paludosa*, larvae orange-pink, feeding on  
*Puccinia major*.

DURHAM, Waldrige Fell.

\*339. *Mycodiplosis* sp. Bagnall and Harrison, 1917 (v),  
p. 14.

On *Cirsium arvense*, larvae crimson, feeding on *Puccinia*  
*suavolens*.

DURHAM, Fatfield, Fulwell near Sunderland, Penshaw.  
NORTHUMBERLAND, Warkworth.

\*340. *Mycodiplosis* sp. Bagnall and Harrison, 1917-3,  
p. 229.

Larvae yellowish-orange on *Puccinia hieracii* on *H. boreale*.  
DURHAM, Winlaton Mill.

*Massalongia* Kieffer, 1897-3, p. 12.

341. *M. rubra* Kieffer, 1890-3, p. 199; 1913-2, p. 246.

On *Betula alba*. Swanton, 193; Houard, 1075.

NORTHUMBERLAND, four miles north of Morpeth;

Ninebanks. DURHAM, Gibside, Walldridge, Tinkler Fell, Urpeth, Castle Eden dene. CHESHIRE, Bidston Hill, local. YORKSHIRE, Eston Moor; Leeds.

**Ametrodiplosis** Rübsaamen, 1911, p. 278.

312. *A. thalictricola* Rübsaamen, 1895-1, p. 257; Kieffer, 1913-2, p. 246.

On *Thalictrum minus* and *flavum*. *Clinodiplosis thalictricola*, Swanton, 356, 358; Houard, 2441, 2448; and on \* *T. fleruosum*, Houard, 2451.

**Monodiplosis** Rübsaamen, 1910, p. 289.

\*313. *M. liebeli* Kieffer (*Schizomyia sociabilis* Rübs.), 1889 (-1), p. 174; 1913-2, p. 248.

Living in galls of *Macrolabis dryobia* and *volvans*.

NORTHUMBERLAND, Ovingham, with *M. volvans*. DURHAM, Gibside, Fatfield, with *M. dryobia*.

**Atylodiplosis** Rübsaamen, 1910, p. 338.

\*344. *A. rumicis* H. Loew, 1850, p. 190; Kieffer, 1913-2, p. 257.

In flowers of *Rumex Acetosella*. Houard, 2128.

General and sometimes common; records from all counties excepting Westmoreland.

#### Group PORRICONDYLIARIAE.

**Dirhiza** H. Loew, 1850, p. 21.

315. *D. rhodophila* Hardy, 1850, p. 186 (*Cecidomyia*); Kieffer, 1913-2, p. 269.

NORTHUMBERLAND and DURHAM, several records. See No. 185.

**Porricondyla** Rondani, 1840, p. 14.

346. *P. longipes* H. Loew, 1850, p. 38 (*Epidosis*); Kieffer, 1913-2, p. 272.

**Winnertzia** Rondani, 1860, p. 287.

347. [*W. tenella* Walker, 1856, p. 129 (*Asynapta*); Kieffer, 1913-2, p. 283.

Subfamily *LESTREMINAE*.

Group *CAMPYLOMYZARIAE*.

*Campylomyza* Meigen,† 1818, p. 102 (also 1830).

348. [*C. aceris* Meigen, 1818, p. 102; Kieffer, 1913-2, p. 296.
349. [*C. bicolor* Meigen, 1818, p. 102; Kieffer, 1913-2, p. 296.
350. [*C. flavipes* Meigen, 1818, p. 102; Kieffer, 1913-2, p. 297.
351. *C. globifera* Haliday in Walker, 1856, p. 62; Kieffer, 1913-2, p. 297.
352. [*C. halterata* Zetterstedt, 1852, p. 4351; Kieffer, 1913-2, p. 297.

*Amblyspatha* Kieffer, 1913-2, p. 299.

- \*353. *A. ormerodi* Kieffer, 1913-1a, p. 52; 1913-2, p. 300.  
Only known from Scotland.

Group *LESTREMIARIAE*.

*Catocha* Haliday, 1833, p. 156.

354. [*C. brevinervis* Zetterstedt, 1851, p. 3770 (*Lestremia*); Kieffer, 1913-2, p. 307.
355. *C. latipes* Haliday, 1833, p. 156; Kieffer, 1913-2, p. 307.

*Lestremia* Macquart, 1826, p. 173.

356. *L. carnea* H. Loew, 1844, p. 324 (*Cecidomyia*); Kieffer, 1913-2, p. 308.
357. [*L. cinerea* Macquart, 1826, p. 173; Kieffer, 1913-2, p. 308.

† Due to insufficiency of description, many of the species in Kieffer's list are *doubtfully* included in the genus, doubtless including some, if not all, of the above.

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358. *L. fusca* Meigen, 1830, p. 309; Kieffer, 1913-2, p. 308.

359. *L. leucophaca* Meigen (*juniperina* Fabr. non Linn.),  
1818, p. 288 (*Sciara*); Kieffer, 1913-2, p. 308.

Subfamily HETEROPEZINAE.

Genus MIASTOR Meinert, 1864, p. 42; Kieffer, 1913-2, p. 313.

\*359.A **Miastor** sp. Bagnall and Harrison, 1918, p. 61.

DURHAM. Birtley, increasing paedogenetically.

\* \* \* \* \*

The following eleven *Cecidomyid* spp. are recorded in Swanton's British Catalogue.

360. *Cecidomyid* sp. Swanton, 1901.

On *Ophioglossum vulgatum*. Swanton, 9.

361. *Cecidomyid* sp. Fitch, 1883.

On *Juniperus communis*. Swanton, 12; Houard, 131.

362. *Cecidomyid* sp. Zimmermann, 1907.

On *Castanea sativa*. Swanton, 289; Houard, 1167.

363. **Cecidomyid** sp. Trail, 1878.

On *Anthyllus Vulneraria*. Swanton, 582; Houard, 3604.  
DURHAM, Birtley.

364. *Cecidomyid* sp. Trail, 1878; Kieffer, 1901.

On *Vicia sylvatica*. Swanton, 591; Houard, 3730.

365. **Cecidomyid** sp. Binnie, 1877, and others.

On *Angelica sylvestris*. Swanton, 661; Houard, 4475.  
DURHAM. Vigo; Billingham, in countless thousands;  
Lamesley. YORKSHIRE, Great Ayton.

366. *Cecidomyid* sp. Liebel, Kieffer and others.

On *Veronica serpyllifolia*. Swanton, 727; Houard, 5107.

367. *Cecidomyid* sp. Trail, 1878; Kieffer, 1901.

On *Galium boreale*. Swanton, 744; Houard, 5196.

368. *Cecidomyid* sp. Trail, 1878; Kieffer, 1897; 1901.

On *Galium Aparine*. Swanton, 761; Houard, 5304.

369. *Diplosis* sp. Trail, 1878; Kieffer, 1901.

On *Valeriana sambucifolia*. Swanton, 783; Houard, 5422.

DURHAM, Walldridge.

370. *Cecidomyid* sp. Trail, 1878; Kieffer, 1901.

On *Senecio Jacobaea* and *S. aquatica*. Swanton, 842, 845; Houard, 5864, 5858.

NORTHUMBERLAND and DURHAM, several records.

\* \* \* \* \*

The following three species are shown in Houard as from the British Isles, but not in Swanton.

\*371. *Cecidomyid* sp. Trail, 1873; Kieffer, 1901.

On *Rhinanthus Crista-galli*. Houard, 5129.

\*372. *Cecidomyid* sp. Kieffer, 1901.

On *Thalictrum dunense*. Houard, 2456.

NORTHUMBERLAND, Warkworth.

\*373. *Cecidomyid* sp. Kieffer, 1901.

On *Rosa spinosissima*. Houard, 3237.

\* \* \* \* \*

The following species are new or recent records.

\*374. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.

On *Geum urbanum*, flowers remaining closed.

DURHAM, Norton and Fencehouses.

\*375. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii), p. 203.

On *Betula alba*.

DURHAM, Walldridge and Gibside.

\*376. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii), p. 203.

Seeds of *Trollius europaeus*.

DURHAM, Billingham.

\*377. *Cecidomyid* sp. Burkill, 1916, p. 7.

*Salix aurita* and *S. aurita cinerea*, ♀ catkins.

Recorded by Mr. Burkill from Derbyshire.

\*378. ? *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii),  
p. 203.

Pod of *Cytisus scoparius*; causer doubtfully *Cecidomyid*.

Records from NORTHUMBERLAND and DURHAM.

\*379. *Cecidomyid* sp. Bagnall and Harrison, 1917 (v),  
p. 15.

Acorns of *Quercus Robur* and *cerris*.

Records from DURHAM, YORKSHIRE and LANCASHIRE.

\*380. *Cecidomyid* sp.† Bagnall and Harrison, 1916 (iii),  
p. 203.

In seeds of *Geranium pratense* and *G. sylvaticum* with  
*Das. geranii*, larvae bright orange-red to red.

Records from NORTHUMBERLAND and DURHAM.

\*381. *Cecidomyid* sp. (? *P. geranii*). Bagnall and Harrison,  
1916 (iv), p. 252.

In seeds of *Geranium dissectum*; larva yellow.

DURHAM, Fatfield.

\*382. *Cecidomyid* sp. (? *P. geranii*) Bagnall and Harrison,  
1916 (iv), p. 252.

In seeds of *Geranium molle*; larva yellow.

YORKSHIRE, Redcar.

\*383. *Cecidomyid* sp. (? *P. geranii*). Bagnall and Harrison,  
1917-3, p. 230.

In seeds of *Geranium pusillum*.

NORTHUMBERLAND, Warkworth.

\*384. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii),  
p. 203.

In flowers and amongst seeds of *Geranium pusillum*;  
larva almost transparent lemon-yellow.

LANCASHIRE, Freshfield and Ainsdale, common.

† See also under *Perrisia geranii* in regard to these *Geranium*  
records.

- \*385. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iv),  
p. 252.

*Erodium cicutarium*, in flowers and amongst seeds;  
larvae creamy-yellow.

YORKSHIRE, Redcar.

- \*386. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iv),  
p. 252; 1917-2, p. 207.

On *Pimpinella Saxifraga*.

DURHAM, Penshaw Hill.

- \*387. *Cecidomyid* sp. (*Perrisia* sp.). Bagnall and Harrison,  
1916 (iii), p. 200.

On *Vaccinium Myrtillus*. Houard, 4566.

CUMBERLAND, Skiddaw. DURHAM, Gibside.

- \*388. *Cecidomyid* sp. (? *Janetiella*). Bagnall and Harrison,  
1916 (iv), p. 252.

On *Euphrasia officinalis*.

Records from all counties; local.

- \*389. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iv),  
p. 252.

On *Atriplex patula*.

Records from YORKSHIRE and DURHAM.

- \*390. *Cecidomyid* sp. Burkill, 1916, p. 7.

On *Stachys palustris*.

Recorded by Mr. Burkill from Derbyshire.

- \*391. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.

On *Stachys lanata*.

DURHAM, in a garden at Penshaw.

- \*392. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii),  
p. 203.

On *Campanula rotundifolia*.

Records from DURHAM and CUMBERLAND.

- \*393. *Cecidomyid* sp. Burkill, 1916, p. 8.

On *Achillea Millefolium*.

Recorded by Mr. Burkill from Sussex.



- \*394. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 230.  
On *Achillea Millefolium*.  
DURHAM, Hart.
- \*395. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii),  
p. 203.  
On *Taraxacum officinale*.  
NORTHUMBERLAND, Ninebanks.
- \*396. *Cecidomyid* sp. Bagnall and Harrison, 1916 (iii),  
p. 203.  
In *Hieracium boreale* seeds.  
DURHAM, Birtley Fell.
- \*397. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.  
Larvae feeding on mildew on Oak, yellowish.  
NORTHUMBERLAND, Warkworth. DURHAM, Gibside.
- \*398. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.  
Larvae feeding on mildew on rose; yellowish.  
DURHAM, Gibside. Known to the late Dr. Hardy  
(Hardy, 1850).
- \*399. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.  
Yellow larvae in galls of *Andricus fecundator*.  
NORTHUMBERLAND, Warkworth. DURHAM, Winlaton  
Mill.
- \*400. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 230.  
Larva milk-white, in leaf-sheaths of a small *Carex*.  
DURHAM, Waldrige Fell.
- \*401. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 230.  
Larva white, red at each end; in leaf-sheaths of a small  
*Carex*.  
DURHAM, Waldrige Fell.
- \*402. *Cecidomyid* sp. Bagnall and Harrison, 1907-3, p. 230.  
Larvae bright rose-red, under leaf-sheath of *Carex flava*.  
DURHAM, Birtley Fell.

- \*403. *Cecidomyid* sp. Cotte, 1912.  
Thornlike gall on *Galium verum*. Houard (supplement), 7372.  
DURHAM, Penshaw and Seaton Carew, rare. Records from Scotland (Forth area), where it is plentiful.
- \*404. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 209.  
On *Thalictrum dunense*. See Houard, 2443.  
NORTHUMBERLAND, Warkworth. DURHAM, coast near Hart. Also from Scotland.
- \*405. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 209 (a).
- \*406. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 210 (b).  
On *Astragalus hypoglottis*.  
Records from Scotland.
- \*407. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 210.  
Larva yellow, in spikelets of *Phleum pratense*.  
DURHAM, Penshaw.
- \*408. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 210.  
Minute yellow larva in the spikelet of *Poa* sp.  
NORTHUMBERLAND, Ninebanks.
- \*409. *Cecidomyid* sp. Bagnall and Harrison, 1917-2, p. 210.  
Larvae in spikelets of *Dactylus glomerata*.  
DURHAM, Penshaw and Edmondsley.
- \*410. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 229.  
On privet, flowers remaining closed, leathery, containing a solitary orange-yellow larva. Not *Schizomyia ligustri* of Rübssaamen.  
NORTHUMBERLAND, Warkworth.
- \*411. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.  
On dead fungus-attacked seed-cases of *Lapsana*.  
DURHAM, Gibside.

\*412. *Cecidomyid* sp. Tavares, 1907.

On Oak. Houard, 1306A.

NORTHUMBERLAND, Warkworth. DURHAM, Fatfield.  
LANCASHIRE, Grange-over-Sands.

\*413. *Cecidomyid* sp. (? *Contarinia*). Bagnall and Harrison,  
1917-3, p. 229.

On *Angelica sylvestris*.

DURHAM, Billingham.

\*414. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 229.

Minute rose-red larvae on dead seed-cases of *Scrophularia  
nodosa*.

NORTHUMBERLAND, between Warkworth and Alnmouth.  
DURHAM, Gibside.

\*415. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 229.

Yellow-orange larvae feeding and pupating under the  
epiderm of stems of *Heracleum Sphondylium* growing in  
marshy place.

DURHAM, Gibside.

\*416. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 229.

Pale reddish larva feeding externally on what look like  
parenchymatous galls on *Lonicera*.

NORTHUMBERLAND, Warkworth.

\*417. *Cecidomyid* sp. (? = *Lasioptera* sp.). Bagnall and  
Harrison, 1917-3, p. 228.

A rather large bright salmon-coloured larva feeding in  
spikelets of *Carex vesicaria*.

DURHAM, Billingham.

\*418. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.

On *Helianthemum Chamocistus*, flower remaining closed,  
larva solitary, pinkish-yellow. Houard, 4267.

DURHAM, coast between Horden and Hart.

\*419. *Cecidomyid* sp. Bagnall and Harrison, 1917-3, p. 230.

Larvae semi-transparent, whitish, sometimes with yellow-  
ish tinge, feeding gregariously in the inner leaf-sheaths of  
*Carex glauca*.

NORTHUMBERLAND, near Warkworth. DURHAM, coast between Horden and Hart.

\*420. *Cecidomyid* sp. Bagnall and Harrison, 1918, p. 61.

On *Achillea Ptarmica*.

YORKSHIRE, Bardsey near Leeds.

\*421. *Cecidomyid* sp. Houard, 5450.

On *Knautia arvensis*, leaf pustules.

NORTHUMBERLAND, Ovington. DURHAM, Ryhope.

\*422. *Cecidomyid* sp. Houard, S. 60.

On *Salix*.

NORTHUMBERLAND, Ovingham on *S. aurita*. DURHAM, Easington on *S. Caprea*.

\*423. *Cecidomyid* sp. Bagnall and Harrison, 1918, p. 61.

In rotting turnips.

DURHAM, Birtley.

## II. CHECK LIST OF NAMED SPECIES.

### CECIDOMYIDAE.

Subfamily *CECIDOMYINAE*.

Group *LASIOPTERARIAE*.

Genus *Clinorrhyncha* H.  
Loew.

1. *C. chrysanthemi* H. Loew.
2. *C. millefolii* Wachtl.
3. *C. leucanthemi* Kieffer.

Genus *Trotteria* Kieffer,  
= *Choristoneura* (praeocc.) Rübs.

1. *T. galii* Rübsaamen.
2. *T. sarothamni* (Kieffer).
3. *T. umbelliferarum* Kieffer.

Genus *Baldratia* Kieffer.

1. *B. salicorniae* Kieffer.

Genus *Stefaniella* Kieffer.

1. *S. brevipalpis* Kieffer.

Genus *Lasioptera* (Meigen).

1. *L. albipennis* Meigen.
2. *L. arundinis* Schiner.
3. *L. calamagrostidis* Rübsaamen.
4. *L. carophila* F. Loew.
5. *L. rubi* Heeger.

Group *OLIGOTROPHARIAE*.

[Genus *Neocerata* Coquillett =  
*Perrisia*.

1. *N. rhodophaga* Coquillett.